STORAGE

FEB 1915
UNIVERSITY OF TORONTO

DEPARTMENT OF MARINE AND FISHERIES, CANADA.
METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXVIII. NOVEMBER, 1914 No. 11

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

HIGH AREAS.

Nine areas of high pressure were charted. Two first appeared in the Yukon Territory, three to the northward of Manitoba, one in southern British Columbia, one on the north, and two on the middle Pacific coasts of the United States. Of these areas, two passed far to the northward, one over, and the remainder far to the southward of the Great Lakes. They were, in most cases, of a fairly pronounced development, affecting territory of great breadth in their progress, which was attended by much fair weather.

LOW AREAS.

Fourteen areas of low pressure were charted. Eight first appeared on the far northwestern coast of the continent, one to the northward of Manitoba, one on the North Pacific coast, three near the Gulf of Mexico, and one near the West India Islands.

The general track of the areas from the northwestern and western portions of the continent was well to the northward over Canada, while of the southern areas one dispersed, one travelled to the Lower Lake Region, and the remaining two passed up the Atlantic and over Newfoundland. The majority of the depressions were not energetic, consequently high winds and gales experienced from the Great Lakes to our Atlantic coast were fewer in number than is usually the case in the month of November.

ATMOSPHERIC PRESSURE.

The differences from normal mean monthly pressure were as follows: Dawson, —.11; Barkerville, —.01; Victoria, +.04; Kamloops, —.03; Banff, —.06; Edmonton, —.13; Battleford, —.07; Prince Albert, —.12; Calgary, —.13; Medicine Hat, —.08; Swift Current, —.09; Qu'Appelle, —.09; Minnedosa, —.05; Winnipeg, —.07; Port Arthur, —.08; White River, —.08; Parry Sound, —.03; Southampton, —.06; Port Stanley, —.03; Toronto, +.01; Kingston, —.01; Stonecliffe, —.05; Ottawa, —.04; Montreal, —.04; Quebec, —.05; Father Point, —.05; Charlottetown, .00; Chatham, —.01; Yarmouth, +.01; Halifax, .00; Sydney, —.02; St. John, +.05; St. John's, —.05; Prospect Fort, Bermuda, +.03.

GENERAL SYNOPSIS OF TEMPERATURE AND PRECIPITATION.

The following table is intended to show the average values of temperature and precipitation for each province for the month under review. District and Provincial means would, under ideal conditions, be derived from stations situated in equi-areal squares. But since in reality they are so situate as to appear, rather, constellation-wise upon the map, anomalous values arising from local topographical peculiarities may have received more than their just weight in the computation of the following averages.

Where no difference from normal is assigned, observations over a period long enough for reference are not available.

PROVINCE AND DISTRICT.	TEMPERATURE (FAHR.).						PRECIPITATION.				STATION DIFFERENCES FROM NORMAL TEMPERATURE
	Mean Daily.	Mean Daily Maximum.	Mean Daily Minimum.	Mean Daily Range	Extreme Highest.	Extreme Lowest.	Total in Inches.	Difference from Normal	Number of Days.	Greatest Fall.	
BRITISH COLUMBIA—								%			
South Vancouver Island....	43	48	39	9	62	27	10.40	+ 5	24	3.85	—1° to +2°
North Vancouver Island .	43	48	39	9	61	29	13.55		24	3.82	+1°
Lower Fraser River	42	47	38	9	58	18	10.75	+10	22	2.23	+2°
Upper Fraser River.......	30	37	23	14	63	— 9	2.04	+15	10	1.12	+1° to +6°
Okanagan and Similkameen Valleys...............	36	43	30	13	59	6	1.50	00	12	0.75	+2° to +3°
West Kootenay.....	37	42	32	10	64	8	3.00	+15	13	1.26	+1° to +2°
East Kootenay.............	34	41	27	14	56	— 7	2.45	+ 5	8	1.85	+1°
Thompson River............	37	43	31	12	58	7	1.95	—30	12	0.73	+2° to +5°
North Columbia River.....	31	36	27	9	50	2	6.00	+ 5	18	1.20	+2°
North Coast................	36	41	32	9	64	7	11.35	+70	18	2.75	+2°
Queen Charlotte Islaads....	40	46	35	11	54	28	13.20	+35	23	3.51	0°
ALBERTA—											
North Saskatchewan River.	27	36	17	19	60	—16	1.05	00	6	0.80	+3° to +6°
The Red Deer River.	29	39	19	20	66	—23	1.50	+255	4	1.50	+2° to +3°
The Bow River.............	33	43	22	21	69	—20	1.15	+ 85	3	1.40	+4° to +10°
Athabasca River...........	....	....	....	....	....	....	....	....	....	....	
Peace River................	....	....	....	....	....	....	....	....	....	....	
SASKATCHEWAN—											
Qu'Appelle River...........	25	35	15	20	71	—33	0.80	+ 20	4	1.40	+2° to +10°
S. Saskatchewan River.....	29	39	20	19	65	—15	0.75	+125	4	0.50	+6°
N. Saskatchewan River.....	25	34	16	18	56	—19	1.00	+ 75	4	1.50	+9°
Saskatchewan Forks........	23	30	16	14	52	—20	0.95	+ 40	5	0.59	+3° to +4°
Lower Saskatchewan River.	21	28	14	14	47	—19	0.85	....	4	0.60	
MANITOBA—											
Qu'Appelle aad Assiaiboine Rivers.................	25	34	15	19	62	—28	0.90	— 5	4	1.62	+3° to +6°
The Red River.............	26	35	17	18	64	—27	0.96	—20	4	1.30	+1° to +4°
Dauphin Lake and River...	23	33	13	20	60	—21	1.30	....	5	0.80	
ONTARIO—											
Lake Superior Districts—											
Rainy River	25	33	17	16	64	—22	0.85	..	8	0.37	0° at Kenora
Thunder Bay............	25	34	16	18	63	—17	1.95	+20	11	0.86	0° to +4°
Algoma..................	23	33	12	21	58	—25	3.10	....	12	2.00	—2° at White River
Nipissing...............	22	30	15	15	59	—17	2.70	.	11	0.83	—2°
Upper Ottawa River........	26	34	19	15	60	—10	3.35	+ 5	11	1.40	—3°
Upper St. Lawrence aad Ottawa Rivers	32	40	24	16	67	—10	2.40	00	10	1.28	—1° to —4°
Georgiaa Bay Counties.....	32	40	24	16	68	— 9	4.45	+35	16	1.76	—2° to +2
Lake Huron Counties......	36	43	29	14	65	— 5	3.50	00	16	0.90	0° to —2°
Lakes St. Clair & Erie, Niagara Peninsula..........	38	47	30	17	74	5	1.85	—25	8	1.15	0° to —1°
West Central Counties......	35	43	26	17	64	0	2.95	—15	16	1.20	—1° to +1°
Lake Ontario Counties......	35	42	28	14	62	4	2.55	—30	9	1.64	0° to +2°
East Central Counties.......	31	40	21	19	64	—11	2.75	+25	10	1.88	+2° to —1°
QUEBEC—											
Middle St. Lawreace.......	28	36	19	17	63	— 9	3.50	+25	12	1.70	—1° to —3°
Lower St. Lawrence & Gulf.	26	33	19	14	47	— 9	3.45	+50	12	1.81	0° to—4°
Lake St. John.............	22	34	18	16	51	—13	2.05	+30	9	0.80	—2°
Upper St. Maurice	21	29	12	17	52	—22	3.80	..	14	0.80	
Northwestern Districts.....	23	30	16	14	56	—18	2.50	+10	11	1.19	+4° at Abitibi
NEW BRUNSWICK—											
All Stations...............	32	40	24	16	61	0	2.90	—15	8	2.35	0° to —4°
NOVA SCOTIA—											
All Stations	37	45	29	16	65	2	2.75	—40	11	1.46	0° to —3°
PRINCE EDWARD ISLAND—											
All Stations...............	36	42	30	12	59	11	2.70	—40	12	0.77	0°

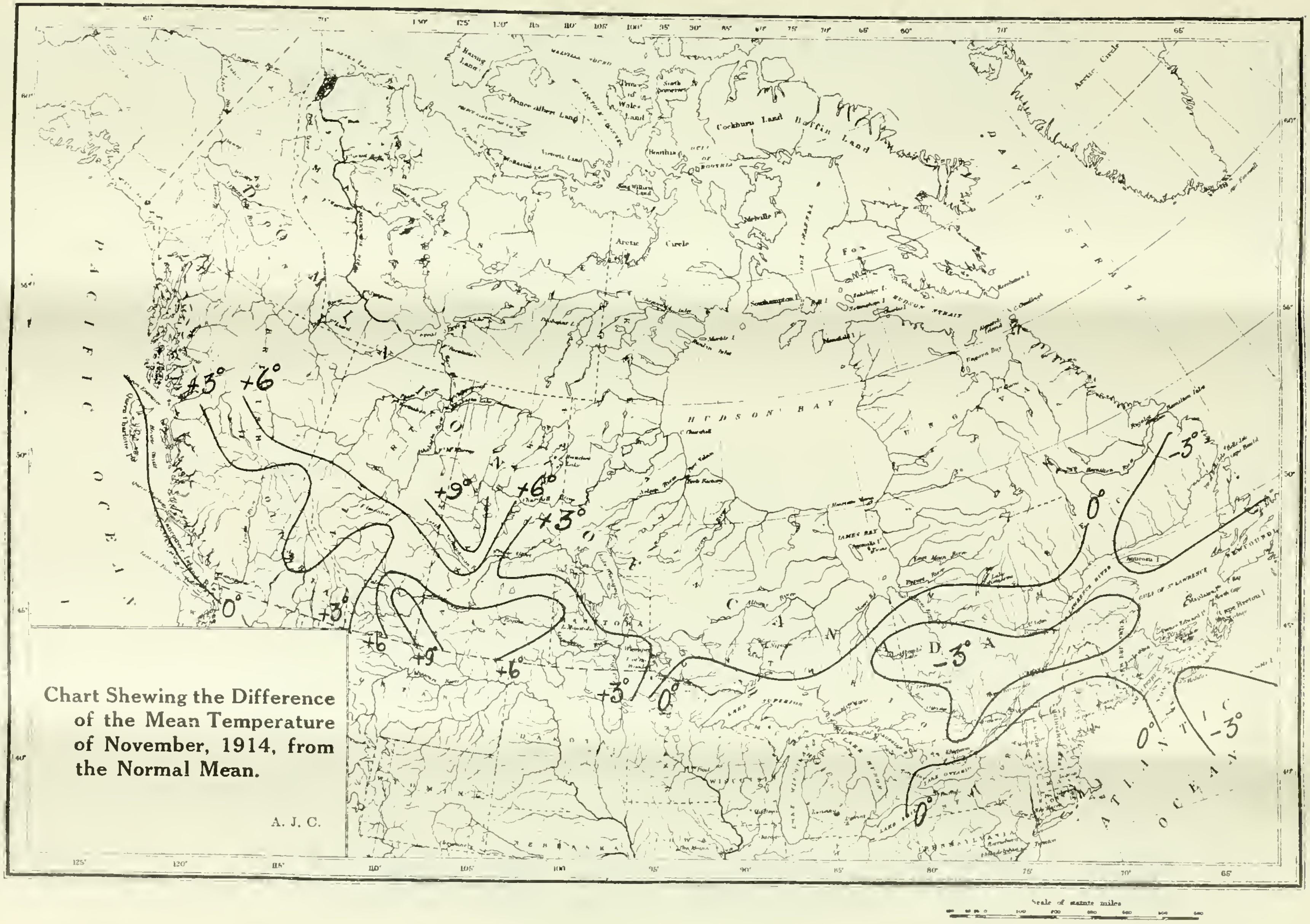

Chart Shewing the Difference of the Mean Temperature of November, 1914, from the Normal Mean.

A. J. C.

WINDS, NOVEMBER, 1914

PROVINCES AND STATIONS.	Total Mileage.	Greatest Mileage in 24 hours.	Greatest Mileage in 1 Hour			Number of Days of			General Direction
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
British Columbia.									
Atlin	....	....	....	....	....	....	....	....	
Prince Rupert	....	....	....	....	....	....	....	....	
Victoria	8621	899	52	SE	30	6	4	9	N,SE
Point Garry	6212	405	49	SW	13	1	7	4	E
Vancouver	2766	159	20	NW	13	....	....	1	E
Kamloops	2231	223	15	SE	25	....	....	....	E,SE
Entrance Island	11148	905	47	E,W	13-30	10	7	7	E,W
Alberta.									
Edmonton	....	....	....	....	....	....	....	....	
Calgary	3273	258	21	NW	3	....	2	12	NW
Saskatchewan.									
Battleford	....	....	....	....	....	....	....	....	
Prince Albert	....	....	....	....	....	....	....	....	
Swift Current	9989	666	41	SW	25	5	20	5	
Qu'Appelle	8818	489	28	NW	3-10	....	15	12	SW,NW
Manitoba.									
a Le Pas	1903	263	22	SE	9	....	....	....	
Winnipeg	8888	461	30	SE	23	1	17	9	
Ontario.									
Port Arthur	8286	448	38	E	14	5	14	7	NW,W
White River	4793	201	24	W	7	....	1	12	
Cochrane	6364	358	23	NW	7	....	3	14	
Parry Sound	7700	451	27	NW	27	....	14	13	SE,SW,NW
Southampton	12654	745	39	N	17	11	15	4	E
Pelee Island	....	....	....	....	....	....	....	....	
d Woodstock	8545	497	32	SW	1	1	13	0	SW
Toronto	11650	660	45	S	13	8	17	3	SW
b Kingston	7521	541	37	S,W	13-21	3	8	9	W
c Stonecliffe	2471	198	15	W	2	....	....	6	
Ottawa	....	....	....	....	....	....	....	....	
Guelph	9605	550	....	....	....	....	....	....	NW
Long Point	14964	794	52	SW	13	20	9	1	W
Quebec.									
Montreal	10581	633	....	....	....	....	....	....	NW
Sherbrooke	....	....	....	....	....	....	....	....	
Quebec	9741	688	45	NE	20	6	15	4	SW
Father Point	12169	707	43	W	21	10	15	4	SW,W
Anticosti, SW	14995	934	60	NW	18	22	5	2	NW
Harrington	....	....	....	....	....	....	....	....	
New Brunswick									
Pt. Escuminac	12105	738	46	SE	20	15	13	2	NW
Fredericton	6130	447	28	NW	18	....	12	12	NW
St. John	14911	694	37	S	16	10	13	7	NW,W
Pt. Lepreaux	10492	873	66	E	20	....	....	....	NW
Nova Scotia									
Yarmouth	10597	615	39	SW	16	3	17	7	NW
Wolfville	8951	537	39	S	16	6	15	8	SW,W
Halifax	9704	660	46	E	19	....	....	....	NW,W
Sable Island	....	....	....	....	....	....	....	....	
Flat Point	13575	023	55	E	20	....	....	....	NW
Prince Edward Island									
Charlottetown	7290	408	32	SE	16	1	14	13	SW

a Record for 11 days. *b* Record for 23 days. *c* Record for 22 days. *d* Record for 28 days.

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA. NOV., 1914.

*Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature. Mean.	Difference from average.	Yr's Observations.	Highest	Date	Lowest.	Date.	Mean daily range.	Precipitation. Amount	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
British Columbia—	° ′	° ′																	
S. Vancouver Island																			
Alberni (Beaver Creek)....	49 15	124 49	300	42.6	+ 1.8	19	56.0	4	30.0	13–29	10.6	14.18	+1.79	1.50	22	8	..	1	..
Clayoquot..................	49 11	125 55	27	45.5	+ 0.4	15	55.0	8–19	34.0	13–18	9.5	24.35	+4.77	3.86	24	6	..	1	..
Clo-oose	49 40	124 50	..	44.6	—	3	55.0	1–3	31.0	13	8.7	18.56	—	2.27	23	7	..	..	..
Cobble Hill...........	......	... ..	33	42.6	—	2	58.0	2	27.0	5	10.9	8.73	—	1.91	24	6	..	..	..
Cowichan (Tzouhalem)....	48 25	123 42	170	43.8	—	8	56.0	1	27.4	18	9.2	9.40	—	1.85	27	3	..	..	..
Departure Bay........	49 40	124 0	.....	43.0	—	2	53.6	1	29.6	15	9.0	7.40	—	1.29	24	6	..	..	2
Entrance Island............	.....	....	.....	45.6	—	1	52.0	1–24	35.0	16	4.6	6.15	—	1.36	23	7	..	..	..
Gillis Bay.............. ..	49 40	124 32	.....	41.4	—	2	54.0	24	28.0	15	10.0	8.88	—	1.92	22	8	..	..	..
James Island.............	.....	.....	.....	46.4	—	1	62.0	1	32.5	13	9.6	5.40	—	1.00	18	12	..	..	..
Ladysmith.	48 57	123 39	...	41.8	—	2	57.0	9	28.0	13–17	9.8	10.71	—	2.05	27	3	..	..	..
Luzo (Little River)......	49 44	124 54	12	41.9	—	1	54.0	25	28.0	14–15	11.6	8.69	—	0.95	20	10	..	..	..
Nanaimo....................	49 10	123 37	125	43.5	+ 0.4	14	53.8	1–8	30.0	15	8.6	7.62	−1.15	1.47	25	5	..	..	2
Nanoose Bay...............	49 17	124 12	130	42.1	—	3	56.0	1	27.0	14	10.7	7.56	—	1.57	23	7	..	..	..
Qualicum Beach............	...	...	.....	40.5	—	1	55.0	2–26	23.0	15–16	13.0	7.15	—	1.66	16	14	..	..	..
Salt Spring Island.........	48 50	123 20	.....	42.4	—	6	55.0	1	29.0	14	8.4	8.69	—	1.78	25	5	..	..	4
Shawnigan Lake...........	48 37	123 41	....	40.9	—	2	58.0	2	27.0	14–15	8.9	8.22	—	1.89	27	3	..	1	..
Sidney.....	48 27	123 27	200	44.7	—	1	56.0	1–10	32.0	29	9.2	7.98	—	1.64	28	2	..	..	..
Sooke......................	48 41	123 44	25	44.2	—	4	56.0	1	29.0	14	9.2	9.48	—	1.22	28	2	..	..	1
Ucluelet......................	..	......	.....	44.5	—	1	55.0	8	29.0	13	10.3	23.45	—	3.21	23	7	..	..	..
Victoria....................	48 24	123 19	85	45.0	— 0.9	22	54.2	1	33.2	13	6.9	5.83	−0.21	1.04	25	5	...	..	1
N. Vancouver Island																			
Alert Bay.................	50 33	127 0	....	45.3	—	1	54.0	1–24	34.0	28	5.4	9.42	—	1.50	25	7	..	..	..
Campbell Lake.......... ..	.. ...	.. .	.....	40.8	—	1	55.4	1	30.1	14	8.4	13.29	—	1.57	19	11	..	..	..
Holberg....................	50 39	128 18	.	44.7	—	5	61.0	4–20	33.0	29–30	10.5	26.47	—	3.82	25	5	..	..	..
Mary Island	..		..	43.3	—	1	55.0	24	31.0	15	8.1	11.73	—	2.62	26	4	..	..	..
Quatsino	50 32	127 40	..	43.4	+ 1.2	18	55.0	18	29.1	25	13.1	17.35	+0.10	2.72	27	3	..	..	..
Triangle Island..........	50 52	129 5	680	44.0	—	3	52.0	7–23	32.0	26	7.0	3.07	—	1.08	22	8	..	..	10
Lower Fraser River																			
Agassiz.................... .	49 14	121 31	52	42.6	+ 1.5	24	52.0	1–28	28.0	16	11.4	14.72	+5.81	2.23	23	7	..	..	..
Britannia Beach......... ...	49 39	123 5	165	42.2	—	1	50.0	8–25	21.0	15	6.2	13.94	—	1.60	21	9	..	1	2
Chilliwack.................	49 10	121 57	21	43.3	+ 2.0	11	56.0	8	30.0	15	8.2	9.87	+0.53	1.28	24	6	..	..	..
Hope.......................	49 25	121 25	600	40.1	—	5	55.5	24	27.0	16	8.2	10.25	—	1.22	19	11	..	..	..
Ladner.....................	49 05	123 4	..	45.1	+ 1.4	14	58.0	6	26.0	17	10.4	6.35	+0.19	0.75	17	13	..	..	..
New Westminster..........	49 13	122 64	330	43.2	+ 1.6	27	55.7	24	27.7	14	7.4	10.95	+1.82	1.44	22	8	..	..	2
North Nicomen...........	49 12	122 2	60	41.1	+ 1.1	21	57.0	8	31.0	18	9.7	12.64	+0.42	1.88	23	7	..	..	..
Pemberton Hatchery......	50 20	122 33	.....	37.0	—	7	49.0	25	22.0	18	7.0	8.44	—	0.97	20	10	..	..	..
Pemberton Meadows.......	50 29	122 40	... .	36.3	—	2	50.0	25	18.0	18	9.1	9.23	—	1.06	22	8	..	..	5
Ruskin (Stave Falls)......	49 16	122 23	125	43.6	—	5	56.0	25	31.0	18 19	8.2	15.20	—	1.65	26	5	..	..	2
Steveston (Garry Point)....	49 21	123 17	.	45.8	+ 1.6	19	56.0	1–24	26.0	18	9.3	6.17	−0.87	0.84	23	7	..	..	..
Vancouver................	49 17	123 5	136	44.5	+ 2.2	14	56.4	24	30.2	18	7.1	10.18	−1.27	1.51	26	4	..	..	1
Upper Fraser River																			
Babine Lake...............	55 38	126 26	....	28.1	—	6	45.0	20	— 1.0	13 14	15.5	1.00	—	0.60	3	27	..	..	..
Barkerville	53 02	121 35	4180	26.6	+ 1.4	26	46.0	24	— 2.0	16	11.8	4.51	+1.35	0.50	20	10	..		
Chilcotin (Big Creek)......	51 40	120 50	3100	26.8	+ 1.7	10	63.0	24	— 4.0	16	19.2	1.25	+0.14	0.40	6	24	..	..	1
Cranberry Lake (South Frk)	119 20	52 50	2460	..	..	..		....	...	...	....	.. .	......	....	..	..	..	..	
Fifteen Mile Ranch (Pavilion)	50 40	120 50	....	34.8	—	1	61.0	24	14.0	15–16	12.1	2.50	—	0.64	8	22	..	..	
Fort George...............	.....	.....	.. .	28.0	—	3	54.0	21	— 7.0	15–16	14.2	0.83	—	0.21	8	22	.	.	1
Fort St. James (Stuarts Lake)...................	54 28	124 12	2280	29.3	+ 5.7	21	55.0	1	— 9.5	15–16	19.6	0.81	−1.05	0.18	14	16	1	..	..
Hydraulic	52 42	122 5	.....	33.1	—	3	60.0	27	2.0	16	14.9	1.85	—	0.40	9	21	..	..	.
New Hazleton....	......	......	.....	31.2	—	1	46.0	2	4.0	15 16	9.7	3.82	—	1.12	17	13	..	..	..
Quesnelle..................	62 69	122 30	1700	32.9	+ 1.8	19	57.0	1–9	1.0	16	15.8	1.77	+0.54	0.45	7	23	..	..	.
Okanagan and Similkameen Valleys																			
Duck Lake Ranch	50 3	119 20	1400	37.4	—	2	54.0	1	20.0	15	11.4	1.29	—	0.52	10	20	..	..	..
Hedley.....	49 35	120 10	1771	37.2	+ 1.6	11	55.0	1	18.0	15–16	12.4	1.44	+0.45	0.40	10	20	..	..	..
Hedley (Nickel Plate).....	49 20	119 59	4500	28.2	— 1.2	11	45.0	1	2.0	15	14.4	2.03	—	0.75	7	23	..	..	..
Keremeos..................	49 15	120 0	1372	38.1	—	6	58.0	1	22.0	16	9.8	1.21	—	0.47	7	23	..	..	..
Kelowna (Okanagan Mission)	49 15	119 29	1200	39.5	+ 3.1	15	56.0	4	20.0	16	11.9	1.43	−0.56	0.37	10	20	..	..	..
Kelowna (Bankhead Orc'd)	.. .	... ..	....	39.7	—	1	57.6	5	21.7	16	12.1	1.05	—	0.28	16	14	..	..	.
Penticton..................	49 29	119 35	...	40.3	—	8	59.0	4	22.0	16	12.1	1.25	—	0.38	17	13	..	..	..
Princeton..................	49 29	120 29	1650	33.6	+ 2.6	19	52.0	4	6.0	16	13.3	2.04	+0.17	0.60	13	17	..	..	7
Richlands	50 18	118 35	....	34.8	—	2	55.0	26	8.0	16	13.8	2.02	—	0.43	16	14	..	..	1
Summerland	49 36	119 40	1100	37.3	—	8	56.0	1	17.0	15–16	10.6	0.92	—	0.45	5	25	..	..	.
Vernon (Coldstream Ranch)	50 14	119 15	1582	36.5	+ 2.5	20	54.0	9	20.0	16	10.2	1.46	−0.03	0.28	14	16	..	..	..
West Kootenay																			
Boswell........	49 19	116 41	...	38.9	—	1	55.0	1	23.0	15	9.4	4.11	—	0.86	11	19		..	.
Crawford Bay............	49 45	116 45	2000	36.7	—	4	66.0	4	20.0	15	10.7	2.46	—	0.35	13	17	..	..	1
Creston..	49 6	116 33	1085	36.2	—	3	52.0	3	16.0	14–15	12.5	2.25	—	0.50	12	18	..	..	2
East Arrow Park.........		.	1413	37.9	—	1	54.0	3–9	24.0	16	9.7	3.76	—	0.52	21	9		1	..
Fauquier	49 54	118 6		38.0	—	2	56.0	26	23.0	16	11.1	2.49	—	0.67	11	19	.	..	.
Grand Forks.............	49 2	118 27	1746	37.0	—	4	55.0	1	20.0	15	9.7	1.89	—	0.29	11	19	.	..	.
Greenwood..............	49 1	118 6	2400	33.1	—	3	64.0	1	8.0	14	16.2	1.35	—	0.43	10	20	.	..	
Howser....................	50 18	117 0		...	—	3	..	...	..	...	..	....	—	...	..			..	..
Kaslo.....................	49 52	117 0	1752	37.0	—	5	52.0	1	16.0	16	9.0	2.76	—	0.48	10	20	.	..	
Nakusp....................	50 14	117 49		36.3	—	3	51.5	3	17.5	16	8.1	3.31	—	0.56	14	16	..	..	1
Nelson	49 29	117 21	1760	37.5	+ 0.9	11	54.0	3–26	18.0	15	9.8	4.03	+0.52	0.85	14	16		..	.
Pend d'Oreille (Waneta)...	.		2260	35.4	—	2	52.0	1	18.0	15–16	9.2	2.90	—	0.78	14	16	..	..	1
Perry Siding..............	49 6	117 48	1700	35.4	—	2	5[illegible].0	3–9	16.0	14	11.0	3.51	—	0.79	18	12		..	.
Rossland	49 5	117 48	3400	34.2	+ 1.9	10	46.0	1	17.5	15–16	6.1	3.85	+0.27	1.26	9	21		..	
Westley	49 20	117 45	1414	28.7	—	1	59.0	23	21.5	15	8.3	3.21	—	0.71	11	19	.	..	3
East Kootenay																			
Cranbrook......... .	49 30	115 50	.	34.8	—	6	53.0	2–25	— 7.0	16	18.2	2.47	—	0.90	9	21	..	..	2
Fernie..	49 20	115 3	3305	33.4	—	1	54.0	26	— 4.0	16	15.3	7.09	—	1.85	15	15	.		1
Fruitlands (Elko).... ..	49 1	115 5	2684	37.1	+ 1.3	19	56.1	26	5.0	16	11.1	2.08	+0.11	0.60	10	20	.	1	3
Gateway	.. .	.	. .	34.4	—	1	54.0	2–11	2.0	16	14.6	1.19	—	0.60	3	27	.	..	5
Invermere............. ..	50 30	116 2	2650	30.7	—	2	51.0	25	3.0	15	13.0	0.79	—	0.40	6	24		..	
Wilmer.....................	50 34	116 14	3300	30.9	—	6	52.0	26	4.0	16	11.6	1.23	—	0.50	6	24	..	..	1

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, NOV., 1914.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE Mean.	Difference from average.	Yr's Observations.	Highest	Date	Lowest.	Date	Mean daily range.	PRECIPITATION Amount.	Difference from average.	Heaviest fall in month.	Days with 0.1 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
BRITISH COLUMBIA—Con.	° ′	° ′																	
Thompson River																			
Armstrong	50 26	119 11	.....	36.3	—	2	51.0	9	17.0	16	10.2	2.37	—	0.62	14	16			..
Ashcroft	50 32	119 7	1180	.....	.....	..	....	...	....	..	..	....	.....	.		.	..	..	..
Chinook Cove	.....	.....	...	36.3	—	1	56.0	25	15.0	16	12.3	2.18	—	0.56	14	16	..	..	..
Enderby	60 32	119 7	1180	37.0	+ 5.4	11	53.0	9	20.0	15	10.9	1.89	−0.85	0.41	14	16	..	.	..
Harper's Ranch	50 41	120 29	1245	.....	.....	..	....	.....	....	..	....	....	.....	..			..	..	..
Kamloops	50 9	120 39	2120	37.7	+ 2.7	24	56.0	25	15.8	16	10.3	1.01	−0.11	0.58	8	22	..		..
Monte Creek	50 35	119 59	1156	35.8	—	2	55.0	9	11.0	15	17.0	1.00	—	0.32	10	20	..	.	..
Nicola Lake	50 9	120 39	2120	34.8	+ 2.2	19	56.0	24	7.0	13	15.5	0.85	−0.51	0.50	2	28	..	..	.
Salmon Arm	50 42	119 35	1152	37.2	—	8	50.0	2–9	19.0	16	10.1	3.02	—	0.73	17	13	..	.	1
Salmon Arm (Exp. Farm)	......	......	...	37.4	—	4	54.0	10	18.0	15	11.1	2.56	—	0.71	14	16	..		.
Tappen	......	.....	1350	38.6	—	2	53.0	8	18.0	16	10.9	3.60	—	0.59	21	9	..		..
Tranquille	60 41	120 29	.....	38.6	—	6	58.0	8	16.0	16–17	11.7	0.84	—	0.25	10	20	..	.	..
Vavenby	51 36	119 45	1450	33.9	—	2	54.0	12	9.0	18	12.9	1.93	—	0.50	11	19	..	..	..
North Columbia River																			
Glacier	51 14	117 29	4072	27.5	+ 1.8	12	44.0	1	3.0	16	7.8	9.10	+0.00	1.20	24	6	..	..	..
Golden	51 0	118 6	1476	30.3	+ 1.9	13	46.0	25	5.0	15–16	11.4	1.67	−1.00	0.60	8	22	..	..	..
Revelstoke	61 16	116 5	2550	35.4	+ 1.1	15	50.0	10	11.0	16	8.3	7.09	+1.40	0.81	23	7	..	..	.
North Coast																			
Bella Coola	52 40	126 54	150	37.7	+ 1.7	15	52.0	25	25.0	30	8.3	12.95	+5.36	2.75	18	12	..	..	..
Prince Rupert	54 18	130 18	170	41.0	—	5	52.0	21	26.0	30	7.5	11.91	—	1.32	23	7	..	..	..
Stewart	56 1	130 1	215	30.6	—	4	45.0	1	7.0	30	7.4	8.26	—	0.88	19	11	..	..	..
Terrace	54 30	128 30	545	36.5	—	3	66.0	3	18.0	30	10.7	12.21	—	2.09	14	16	..	..	..
Welcome Harbour	53 55	130 22	.....	......	.....	..	....	..	.....	.....	....	.....	....	....	..	..	..	..	..
Queen Charlotte Islands																			
Ikeda Bay	52 17	131 7	6	—	—	7	54.0	3–7	—	—	—	18.78	—	3.51	27	3	..		..
Massett	53 58	132 9	10	40.4	+ 0.0	17	54.0	3	28.0	15–28	11.4	7.60	+1.55	1.80	20	10	..	.	..
Yukon Boundary																			
Atlin	69 35	133 38	2240	23.6	—	9	42.0	2	0.5	15	9.9	0.92	—	0.23	10	20	3	..	..
YUKON—																			
Carcross	60 11	134 34	2171	20.7	—	7	42.0	2–3	− 5.0	14–30	13.1	0.63	—	0.35	6	24	..	..	..
Dawson	64 4	139 29	1200	7.3	+ 8.0	13	36.0	3	−20.0	24	10.2	0.70	—	0.40	5	25	..	..	..
ALBERTA—																			
N. Saskatchewan River																			
Campsie	54 8	114 42	.....	23.6	—	8	54.1	3	−15.0	16	17.1	1.34	—	0.35	8	22	2	..	4
Coronation	.....	.....	.....	....	......	..	....	....	.....	...	....	....	.....	..	..	..	..	..	..
Dayeland	62 62	112 17	.....	26.3	—	4	56.0	1	−12.0	16	17.3	1.60	—	0.40	9	21	..	..	..
Edmonton	63 33	113 30	2158	29.8	+ 5.5	31	54.5	2	− 6.0	16	15.5	0.85	+0.01	0.27	11	19	3	..	..
Endiang	52 0	112 0	2795	28.1	—	4	55.0	1	−16.0	18	19.8	0.50	—	0.50	1	29	..	..	..
Halkirk (Emsburg)	52 17	112 10	.....	23.9	—	5	54.0	1	−14.0	16	19.1	1.37	—	0.80	7	23	3	..	1
Hardisty	.....	.....	.....	28.1	—	1	60.0	6	−14.0	17	19.7	0.80	—	0.40	3	27	2	..	..
Lloydminster	63 18	110 0	.....	.....	......	..	....	.....	......	....	....	.....	....	....	..	..	..	..	..
Loveland	52 30	111 59	.....	.....	.....	5	....	...	......	.....	....	.....	.....	....	..	..	..	..	..
Pakan	....	......	...	.....	......	..	....	....	......	....	....	.....	.....	....	..	..	..	..	..
Provost	.....	......	...	24.4	—	1	55.0	1	−14.0	16	18.2	1.40	—	0.80	2	28	1	..	..
Ranfurly (Waitefield)	63 29	111 38	2000	25.5	+ 2.6	10	51.5	2	−11.5	16	17.9	0.59	−0.31	0.15	10	20	4	..	1
Sedgewick	52 47	111 41	.....	.....	......	..	....	....	.....	..	....	.....	.....	...	..	..	..	..	..
Sion	63 64	114 16	.....	26.3	—	3	54.0	1	−11.0	16	19.2	1.06	—	0.40	7	23	7		1
Twin Lakes	.....	.	.....	33.6	—	1	59.0	1	− 8.0	15	19.6	1.33	—	0.60	5	25		..	
Vermilion	53 22	110 50	.....	25.5	—	2	54.0	2	−14.0	17	20.7	0.41	--	0.40	2	28	..	..	.
Wastina	51 39	111 5	....	23.5	—	2	55.0	1	−16.0	16	18.4	—	—	—	—	—	..	..	..
Wetaskiwin	62 58	113 23	2480	......	.....	.	....	.....	.....	.....	....	.....	....	...	..	..	..	..	..
The Red Deer River																			
Alix	52 24	113 10	2585	29.6	—	9	66.0	6	−21.0	16	25.0	1.32	—	0.40	5	25			
Alsask	.....	.....	.....	27.8	—	1	57.0	1	−10.0	17	19.0	1.22	—	0.60	4	26	2	..	..
Clemens	51 15	114 44	.....	29.4	—	2	57.0	1	− 6.0	16	16.4	0.60	—	0.25	3	27	2	..	..
Delia	61 38	112 26	.....	..	......	4	....	....	......	..	....	......	......	....	..	..	..	..	..
Didsbury	61 40	114 8	3300	32.4	+ 2.5	13	60.0	1	−10.0	16	18.7	1.70	+1.08	0.90	3	27	..	..	..
Empress	......	......	.....	32.4	—	1	64.0	1	− 6.0	15	17.5	—	—	—	—	—	..	..	..
Harmattan	51 45	114 23	3500	29.1	—	8	60.0	2	−24.0	16	26.2	2.05	-	0.90	4	26	..	..	..
Hillsdown	62 14	113 29	2940	29.1	+ 1.9	10	58.0	25	−14.0	16	19.1	2.70	+1.96	1.50	6	24	1	..	..
Lacombe (Ex. Farm)	52 58	113 44	2783	28.0	—	7	59.0	3	−18.0	16	20.8	1.50	—	1.00	2	28		..	..
Moose (Tyrol)	51 15	110 39	.....	.....	......	..	....	.....	.....	...	....	.....	......	...	..	..	..	..	..
Olds	......	......	.....	28.3	—	1	63.0	1	−22.0	16	18.2	1.10	—	0.66	5	25	..	..	..
Perbeck	51 58	113 5	.....	27.2	—	2	51.5	2	−14.0	16	18.4	1.15	—	0.60	4	26	1	..	1
Red Deer	52 16	113 49	28 06	25.9	—	14	54.5	25	−19.5	16	23.2	1.53	—	0.70	6	24		..	
Springdale	52 51	110 12	.....	28.5	—	2	58.0	25	−23.0	15	21.2	1.25	—	0.55	6	24	..	..	..
The Bow River																			
Brooks	50 34	111 54	....	.....	......	..	....	....	.....	.....	....	....	.....	.	.	.		..	
Calgary	61 2	114 2	3427	32.0	+ 6.5	19	58.0	1	−10.0	16	19.0	2.73	+2.05	1.40	6	24	..	..	..
Claresholm	50 2	113 35	.....	33.0	—	1	60.0	1–7	−15.0	16	29.3	1.20	—	0.80	2	28	..	.	..
Expanse Coulee	......	......	.....	34.3	—	2	68.0	1	−10.0	16	20.0	0.65	—	0.30	3	27	..	..	..
Gleichen	50 69	112 54	2952	32.4	+ 4.1	11	64.0	1	− 8.0	16	17.8	1.00	+0.68	0.60	2	28	..	..	..
High River	50 36	113 53	3394	.....	......	..	....	.....	......	...	....	......	......	....	..	..	..	..	..
Lawrence (Parkland)	50 16	113 26	3500	.....	......	.	...	....	.....	...	....	.....	......	...	..	..	..	..	..
Lethbridge (Exp. Farm)	49 43	112 51	.....	35.7	—	7	66.0	1	− 8.0	16	22.1	0.63	—	0.45	3	27	..	..	..
Lundbreck	.....	.....	.....	30.1	—	1	57.0	26	−11.0	16	19.3	2.00	—	1.30	4	26	..	..	..
Macleod	49 44	113 24	3128	34.7	+ 4.2	17	59.0	26	−15.0	16–17	18.6	1.66	+1.05	0.90	5	25	..	..	..
Medicine Hat	50 1	110 37	2143	37.3	+ 8.8	30	62.0	1	0.0	16	19.4	0.23	−0.52	0.22	2	28	..	..	..
Medicine Hat (Ex Farm)	......	....	.....	33.6	—	1	64.0	1	− 1.0	15–17	26.6	—	--	—	—	—	..	..	.
Okotoks	50 43	113 59	....	30.3	—	2	59.5	2	−17.0	16	23.5	—	—	—	—	—	..	..	2
Pekisko	50 26	114 14	.....	30.6	—	1	69.0	1	−20.0	16	25.9	1.95	—	1.35	4	26	..	..	..
Pincher Creek	...	....	.....	33.9	+ 5.9	16	56.0	1	− 9.0	16	15.8	1.30	+0.43	1.30	1	29	.		
Ronolane	50 5	111 34	2350	36.4	—	2	66.0	1	− 4.0	16	20.5	S	—	S	0	30	..	..	.
Strathmore	51 3	113 23	.....	.....	......	..	..	..	.....	..	...	....	......			..	..	..	.
Suffield	50 13	111 9	.....	32.9	—	2	61.0	1	− 8.0	16	22.2	0.40	—	0.20	3	27	..	..	1
Sundial	50 6	112 34	.....	21.9	—	4	62.0	25	−11.0	15	20.9	—	—	—	—	—	.		..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, NOV., 1914.

*Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.								PRECIPITATION.							
				Mean.	Difference from average.	Yr's observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of Auroras.	No. of thunderstorms.	No. of fogs.
ALBERTA—Continued	° ′	° ′																	
Rocky Mountains																			
Banff	51 10	115 34	4542	28.7	+ 4.7	19	52.2	25	−15.1	26	13.2	2.60	+0 93	0 90	13	17	..	..	..
Brazeau Forest (Coal Spur)	49 40	114 30	4226	—	—	2	—	—	−33.0	16	—	4.68	—	1.80	7	23	.	..	..
Canmore	.....	..	.....	.....	.....	..	.....	.....	.....	.....	..	.....	.....	....	..	..	..	..	..
Athabasca River																			
Athabasca Landing	54 43	113 17	1650	27.4	+ 8.2	11	54.0	1	− 3.0	17	15 4	0 27	−0.33	0.11	4	26	..	..	..
Edson	53 33	116 25	.....	.....	.....	..	.....	.....	.....	.....	..	.....	.....	....	..	..	..	..	..
Jasper	....	....	.....	.....	.....	..	....	.....	.....	.....	....	.....	.....	..	..	..	..	..	..
Lunnord	54 33	114 19	.....	.....	.....	..	.....	.....	.....	.....	....	.....	.....	....	..	..	..	..	..
Pembina	54 12	114 0	.....	.....	.....	..	.....	.....	.....	....	....	.....	.....	....	..	..	..	..	..
Peace River																			
Beaver Lodge	55 20	119 24	....	26.8	—	8	58 0	9	−17.0	16	24.6	0.37	—	0 12	5	25	..	..	..
Dunvegan	55 56	118 35	1305	.....	.....	..	.....	.....	.....	.....	....	....	.....	....	..	..	..	..	..
Fort Vermilion	58 27	116 3	.....	.....	.....	..	.....	.....	.....	...	....	.....	.....	....	..	..	..	..	..
Fort Vermilion (2)	.. ..	.....	.....	.....	.....	..	.....	.....	.....	.....	....	.....	.....	....	..	..	..	..	..
Grande Prairie	.....	....	.....	28.8	—	2	56.0	6–15	−18.0	16	30 9	—	—	—	—	—	..	..	..
Peace River Crossing	56 15	1[illegible] 15	.....	.....	.....	..	.....	.....	....	.....	....	.....	.....	....	..	..	..	..	..
SASKATCHEWAN—																			
Qu'Appelle River																			
Broadview	50 23	102 33	1960	.....	.....	..	.....	.....	.....	.....	....	.....	.....	....	..	..	..	..	..
Brownhill (Grenfell P.O.)	50 23	102 53	1957	27.1	+ 3.4	16	60.0	1	−23.0	17	20.8	1.71	+0.73	1.40	3	27	..	..	2
Buchanan	51 42	102 45	...	.....	.....	..	....	.....	.....	.....	....	.....	.....	....	..	..	..	..	..
Crescent Lake	50 59	102 25	1658	22.3	+ 1 3	11	57.5	3	−28 8	17	22 7	1.36	+0 49	0.90	5	25	1	..	2
Estevan	50 59	103 4	1858	27.2	+ 3.2	15	71.0	4	−21.0	16	25 5	0.40	+0 01	0.20	3	27	1	..	..
Fort Qu'Appelle	47	103 47	.. .	26.1	—	3	58 8	2	−21.2	17	21.2	0.19	—	0.06	4	26	..	..	..
Hubbard (Drumague)	5	103 24	.....	22.6	—	7	56 0	1	−28 0	17	16.0	1.00	—	0.30	4	26	..	..	..
Humboldt	5	105 9	.....	23.1	—	9	50 0	21	−22.0	17	19.0	0.52	—	0.26	6	24	..	..	..
Imperial	12	105 23	.....	—	—	4	56 0	2	−19 0	15	21 6	—	—	—	—	—	..	..	..
Indian Head	22	103 40	1924	24.4	+ 3.6	23	56 0	2	−23 0	17	19 9	1.03	+0.25	0.80	4	26	..	..	..
Kamsack	30	101 52	.....	.....	.....	..	....	.....	... ..	.....	. ..	.....	....	....	..	..	..	..	..
Manor	43	102 2	2064	.....	.....	..	....	.....	.....	....	....	.....	.....	....	..	..	..	..	.
Moose Jaw	21	105 35	1759	31.0	+ 8.7	19	63 0	25	−17 0	17	21 6	0.34	−0 03	0.34	3	27	..		..
Moosomin	50 0	101 37	1884	..	.....	..	....	.....	.....	...	....	.....	.....	....	..	..	.	..	..
Muenster (St. Peter's Mon.)	52 0	105 0	1870	23.1	—	8	48.0	1	−21 0	17	19 9	1 25	—	0.80	3	27	4	..	..
Pense (Gatesgurth)	50 20	105 0	1879	28.5	+ 8.4	16	60 0	2	−18 0	16	21 2	0.40	−0.07	0.40	1	29	..	..	..
Pilger	52 25	105 9	.....	22.3	—	4	68 0	2	−24 0	17	17 6	1 59	—	1.06	5	25	..	..	..
Qu'Appelle	50 30	103 47	2115	26 4	+ 6.3	30	57.0	2	−21 5	19	16 9	1.05	+0.06	0.70	6	24	2	..	..
Regina	50 27	104 37	1885	26.7	+ 7 4	29	57.0	2	−20.0	17	21 1	0.24	−0.28	0.15	3	27	..	..	..
Stoney View	.. ..	.. ..	.....	.....	.....	..	.. ..	.....	.....	....	..	.....	.....	...	..	..	..	..	..
Whitewood	.....	..	.....	22 2	—	1	59.0	2	−26 0	17	16 6	1 47	—	1.00	4	26	..	..	..
Yarbo (Fairfield)	50 39	102 4	....	18.2	—	7	59.0	2	−33 0	14	21 7	—	—	—	—	—	..	..	..
Yellow Grass	49 49	104 9	.....	28.0	—	4	60 0	2	−19 0	16	22 2	0.30	—	0.30	1	29	..	..	..
Yorkton	51 11	102 29	.....	23 9	—	5	56 0	3	−22 0	17	18 8	0.03	—	0.03	1	29	..	..	..
S. Saskatchewan River																			
Chaplin	50 26	106 39	2202	28.3	+ 5 8	30	61.0	24	−11.0	16	17.3	0.98	+0.79	0.40	4	26	..	..	..
Kindersley	51 28	109 9	....	.....	.....	..	.....	.....	.....	.....	..	.. .	....	.. .	.	..	..	..	..
Klintonel (Divide)	49 38	108 53	3500	29.1	—	6	65.0	3	−10.4	16	19 4	0.79	—	0.43	4	26	..	..	..
Kelvinhurst (Nashlyn)	51 46	108 10	.....	.. ..	.....	..	.....	.....	....	.....	....	.....	.....	.....	..	..	..	..	..
Larchmount (Pambrum)	49 21	109 29	2500	30.5	—	4	59.0	3	−10.0	17	22 8	0.60	—	0.40	2	28	..	..	..
Rathmullen	51 20	108 57	.....	25 6	—	5	57 5	1	−14 5	17	17 9	0.35	—	0.30	2	28	..	.	..
Swift Current	50 20	107 45	2439	32.6	+ 6.8	28	65.0	25	− 7 0	17	18.1	0.92	+0.27	0.50	8	22	..	..	..
N. Saskatchewan River																			
Anglia	51 55	101 10	.....	25 7	—	2	56 0	2	−19 0	17	16 6	1.15	—	0.60	4	26	4	..	..
Battleford	52 41	108 20	1620	27.8	+ 8.8	24	55.0	2	−15.0	17	18 0	0.74	+0 25	0.20	6	24	..	..	..
Lloydminster	53 18	110 0	.....	....	......	..	.....	.....	......	.....	....	.....	......	....	..	..	..	..	..
Luseland	52 5	109 31	.....	23.7	—	5	51.0	1	−18 0	17	16 4	1 45	—	0.65	3	27	..	..	..
Meadow River	.....		.....	....	......	..	.....	....	......	.....	....	.....	......	....	..	..	..	..	..
Onion Lake	53 52	109 59	.....	.. ...	......	..	.....	....	... ..	.....	...	.....	......	....	..	..	..	..	..
Prince (Meota)	51 0	108 20	1700	.. ..	......	..	...	....	.....	.....	....	.....	......	....	..	..	..	..	..
St Walburg	53 36	109 9	.....	23 9	—	3	47.0	2–9	−19 0	18	19.5	1 65	—	1.50	3	27	..	..	2
Scott (Ex. Farm)	51 59	109 30	....	23.7	—	3	52 0	2	−16 5	17	15.9	0.60	—	0 60	1	29		..	..
Waseca	53 6	109 29	....	25.5	—	6	50.0	25	−18.0	17	15 7	0.38	—	0 10	4	26	3	..	..
The Saskatchewan Forks																			
Halcyonia	52 30	107 5	1800	—	—	1	52.0	2	—	—	—	0 95	—	0.40	4	26	..	..	..
Melfort	52 47	104 30	..	23 5	—	9	51.0	1	− 13.0	17	15 4	0 57	—	0.35	3	27	..	.	..
Prince Albert	53 10	106 0	1432	22 1	+ 3.7	30	45 0	1-3	−12.0	17	9 1	1 10	+0.13	0.34	7	23	..	..	..
Rosthern	52 40	106 20	1657	21 8	—	4	49.9	1	−20 0	17	16.5	1 20	—	0.50	7	23	..	..	..
Saskatoon	52 15	106 30	1571	24.3	+ 2.9	13	52.1	1	−16.3	17	16 6	1 05	+0.55	0.40	4	26	..	..	..
Lower Saskatchewan River																			
Lost River	53 17	104 21	.....	22.4	—	4	47.0	1-4	−19.0	17	15.8	0 47	—	0.44	2	28	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, NOV., 1914.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.								PRECIPITATION							
				Mean.	Difference from average.	Yr's observations	Highest.	Date.	Lowest.	Date	Mean daily range.	Amount.	Difference from average	Heaviest fall in month	Days with .01 or more.	No. of fair days	No. of auroras.	No. of thunderstorms	No. of fogs
MANITOBA—	° ′	°																	
Qu'Appelle and Assiniboine Rivers																			
Boissevain	50 25	101 1	1703	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
Brandon	49 61	99 57	1176	23 8	+ 2 8	27	61 6	2	—27 8	17	19.4	0.70	—0.11	0.40	3	27	..	..	..
Carman	49 31	98 0	872	....	....	..	....	....	....	....	....	....	....	....	.	.	..	..	..
Cypress River	49 33	99 3	1232	....	....	..	....	....	....	....	....	....	....	....			..	..	..
Hamiota	....	....	....	24 3	—	1	58 0	1-3	—28 0	17	17.5	0 56	—	0.29	5	25	1	..	..
Hillview	49 55	100 33	1400	23 5	+ 4 0	29	61 0	2	—27.0	17	17.7	1 09	—0.13	0.80	4	26	..	..	2
Minnedosa	50 15	99 50	1699	23.6	+ 2 5	31	60.0	2	—21 6	19	17 8	1 87	+0.85	1.62	5	25	..	..	1
Ninette	49 24	99 38	1363	....	—	3	....	....	....	....	....	....	—	..	..	..	..	..	..
Ninga	49 14	99 51	1649	24.9	—	4	59 0	2	—18.0	16	20.0	—	—	—	—	—	..	..	..
Pierson	49 11	101 5	1531	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
Pipestone	49 31	100 58	1400	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
Portage la Prairie	49 57	98 17	....	25 6	+ 2 8	20	62 0	3	—19 0	17	18 0	0.70	+0.12	0.35	3	27	..	..	..
Portage la Prairie (2)	49 56	98 17	....	....	....	..	....	..	....	....	....	....	....	....	..	..	..	..	..
Russell	50 59	101 20	....	24 0	+ 5 7	21	57 0	3	—26 0	17	17.7	—	—	—	—	—	..	..	..
St. Alban's (Treesbank)	49 42	99 33	1180	25 1	+ 3.2	30	62 5	2	—23 0	17-19	20.7	0 81	+0 05	0.45	6	24	3	..	..
Souris	49 37	100 14	....	26 4	—	3	61.5	3	—22.0	19	18.4	0.74	—	0.60	4	26	..	..	2
Treherne	49 36	98 40	1212	26.5	+ 5 0	19	62 0	2-3	—15 0	17	18 8	0 72	—1.07	0.45	5	25	2	..	1
Virden	49 51	100 55	1444	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
The Red River																			
Almasippi	49 14	99 20	....	27.3	+ 2.1	12	64 0	2	—27.0	17	18.0	0 54	—0 23	0.40	3	27	..	..	..
Morden	49 11	98 2	978	28 4	+ 1 2	11	64 0	3	—16 0	17	17 9	2.10	+1.06	1.30	3	27	1	..	1
Oak Bank	49 57	96 46	800	24.4	+ 2 7	18	62 0	2	—19 0	17	13 4	1.00	—0.31	0.50	4	26	..	..	..
Selkirk	....	....	....	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
Stony Mountain	50 40	97 14	803	24 2	+ 4 4	32	60 0	1	—25 0	17	27.7	0.10	—0.99	0.10	1	29	..	..	1
Winnipeg	49 53	97 7	760	26 0	+ 4 4	39	54 9	2	—13 0	17	15.1	0.72	—0.36	0.46	9	21	1	..	1
Dauphin Lake and River																			
Berens River	52 18	97 23	710	21 4	—	7	47 0	1	—14.0	18-19	19 9	2 05	—	0.81	5	25	..	..	..
Dauphin	51 8	100 2	957	20.9	—	8	60 0	3	—14.0	17	25 1	1.00	—	0.70	4	26	.	..	..
Moose Horn Bay (Aitkensville)	51 15	99 33	810	24 1	—	5	58 0	3	—14 2	19	17 2	1.53	—	0.38	10	20	1	..	1
Swan Lake	....	....	....	26.1	—	1	60.0	1	—21 5	19	18.6	0.79	—	0 30	3	27	..	.	..
Lower Saskatchewan River																			
Le Pas	53 49	101 15	860	19 5	—	5	41.0	2-3	—12 0	17	13.4	1.20	—	0.60	6	24	..	.	..
ONTARIO—																			
The Lake Superior Districts																			
Rainy River																			
Atikokan	....	....	....	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
Dryden	....	....	....	23 0	—	1	57 6	1	—16 5	20	18 6	0.66	—	0.30	5	25	..	..	1
Fort Frances	48 36	93 25	....	34.6	—	2	61 6	29	— 6 0	18	18 4	0.41	—	0.27	5	25	..	..	.
Ignace	....	....	....	22.4	—	1	59.0	1	—15 0	17	17.1	1.78	—	0.37	10	20	..	..	1
Kenora	49 48	9 32	1192	24 6	+ 0.0	13	51.0	2-3	—14.0	17	11 6	1.00	—	—	—	—	..	..	1
Rainy River	....	....	....	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
Shoal Lake	49 37	95 6	....	....	....	..	....	....	....	....	....	....	....	....	..	..	..	..	..
Sioux Lookout	....	....	....	21 2	—	1	60 0	1	—22 0	20	17.7	1 18	—	0.35	14	16	4	..	2
Thunder Bay																			
Heron Bay	48 18	86 16	....	24 8	+ 0.3	16	49 0	1	—17 0	23	16 7	2 68	+1.08	0 57	9	21	..	..	..
Kakabeka Falls	48 29	89 26	912	24 6	—	7	60.0	1	—10.0	17	17.8	1 69	—	0.23	12	18	2	..	.
Nipigon	....	....	....	26 8	+ 5.7	13	47 5	3	— 9.0	17	15 5	2 42	—	0 67	13	17	..	..	..
Oscar	....	....	....	20 9	—	2	63 0	1	—17.0	17	19 3	0 90	—	0.15	15	15	..	..	.
Port Arthur	48 27	89 12	644	29 3	+ 2 3	34	51 0	26	— 7.0	17	16 1	1.16	—0 07	0 38	14	16	..	..	4
Savanne	48 55	90 18	1506	21 5	+ 1 1	13	47.0	30	—16 0	20	15 7	0.50	—0.99	0 30	2	28	..	..	1
Schreiber	48 50	87 15	933	26 1	+ 0.0	12	56 8	7	—11 9	17	18 9	4.24	—	0.86	12	18	..	..	2
Algoma																			
Bisco	47 40	82 11	1333	23 9	—	2	55.0	1	— 7.3	18	13.4	1.85	—	0.45	10	20	..	..	..
Bruce Mines	46 18	83 55	695	....	....	16	....	....	....	..	....	....	....	....	..	..	..	..	..
Chapleau	47 48	83 28	....	28 6	—	2	56 0	26-30	—25.0	18	33 8	3.75	—	2 00	8	22	..	..	..
Copper Cliff	46 30	80 59	....	....	—	7	....	....	....	....	....	....	....	....	..	..	.	.	..
Grassett	48 29	84 29	....	....	—	2	....	....	....	....	....	....	....	....			..	..	..
Porcupine	45 40	82 14	....	19 2	—	4	50.0	2	—15 0	18	20 1	2 10	—	0 50	9	21	..	..	..
Providence Bay	48 35	85 16	1252	—	—	4	—	—	—	—	—	4.27	—	1 57	7	23	..	..	..
Timmins (Wawaitin Falls)	48 40	81 30	885	19 2	—	2	57.0	1	—19.0	18	20.1	4 13	—	0.73	17	13	..	..	..
Turbine	46 18	81 35	685	25 8	—	1	58 5	1	— 3 8	24	19 1	3 81	—	0 75	12	18	..	..	..
White River	48 35	85 16	1248	29.9	— 1 6	21	47.0	26	—26 0	23	19 6	1.75	—0.59	0 88	17	13	..	.	..
Nipissing																			
Cochrane	49 2	81 0	946	19 5	—	3	44 0	29	—20.0	18	14 7	3 60	—	0 70	14	16	.	..	2
Haileybury	47 29	79 39	687	25 9	— 2.2	23	59 4	1	— 8 6	18	13 1	2 04	—0 56	0.50	17	13	..	1	..
Iroquois Falls	48 45	80 40	850	18.8	—	2	51 0	1	—17 0	18	16 1	4 02	—	0 83	18	12	3	..	..
Montreal River	47 8	79 29	....	26 5	—	4	59.0	1	— 9 0	23	18.1	1 10	—	0.48	7	23	..	..	..
Upper Ottawa River																			
Rutherglen (Lake Talon)	46 16	74 48	....	26 2	— 3 4	20	60.0	1	—10 0	18	14.3	2 41	—1.81	0.70	10	20	1	1	1
Stonecliff (Rockliffe)	46 9	78 6	557	26 8	— 2 6	25	60 0	1	— 4 0	24	17 1	4 29	+2 02	1 40	21	9	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, NOV., 1914.

* Stations not furnished with Registering Thermometers.

STATION	Latitude N.	Longitude W.	Elevation above sea level in feet.	Temperature								Precipitation			Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
				Mean.	Difference from average.	Yr's Observations	Highest.	Date.	Lowest.	Date	Mean daily range.	Amount	Difference from Average.	Heaviest fall in month.					
ONTARIO—Continued—																			
Upper St. Lawrence and Lower Ottawa Rivers	°	° ′																	
Almonte	45 12	76 13	390	30.3	—	3	64 0	1	− 1.7	18	14.4	3.41	—	1.05	12	18	..	1	..
Bloomfield	43 59	77 21	260	35.8	− 1.0	15	60.0	2	10 0	18-23	15.4	2.31	−0.33	1.20	10	20	..	..	..
Hillier	......	....	.....	35.9	—	3	60.0	1	10.0	23	11.2	2.10	—	1.25	5	25	..	1	..
Kingston	44 13	76 29	285	35.8	− 0.3	40	58.7	1	9.8	23	16 2	2.45	−0.04	1.28	13	17	.	..	1
Montague	44 56	75 57	.....	29.9	—	5	58 0	4	− 4.0	24	19.5	2.26	—	1.22	7	23	..	1	..
Morrisburg	44 56	75 12	.....	31 4	—	2	62 3	1	− 1.0	23	15.6	2.89	—	0.91	10	20	..	..	..
North Gower	45 8	75 43	.....	33 2	− 0.7	12	60.0	1-7	−10.0	23	28 5	0.75	—	0.75	1	29	..	.	1
Ottawa	45 26	75 42	294	30.2	− 2.1	32	65 0	1	0.0	18	13.5	3 38	+0.97	9.74	15	16	..	1	..
Renfrew	45 26	76 30	416	29.6	− 3.7	25	67.5	1	− 2 0	18	14.9	2 28	−0.12	0 50	13	17	..	1	3
Georgian Bay Counties																			
Barrie	44 23	79 41	339	31.0	− 0.1	48	60.7	1	6 0	23	13 0	2.97	−0.27	0.50	21	9	..	1	1
Bentrice	45 8	79 20	800	30.1	− 0.8	39	60 0	1	0.0	23-24	17.6	6.11	+1.43	1.58	14	16	..	..	..
Big Chute (Buskin P.O.)	44 42	79 38	655	35.8	—	2	68.0	3	5.0	18-23	23.7	2.49	—	1.25	7	23	..	..	..
Coldwater	44 38	79 40	600	31.4	− 1.9	26	65 0	1	− 4.0	23	21 0	3.80	+0 46	0 93	20	10	..	..	..
Collingwood	44 31	80 2	.....	35.0	− 1.6	22	65.0	1	10.0	24	14.3	3.51	+1.58	0.80	18	12	..	..	..
Gravenhurst	44 54	79 20	.....	31.0	+ 1.2	43	62.0	1	0 0	18-24	18.5	5.27	+2.42	1.76	16	14	..	1	..
Huntsville	45 10	79 8	.....	28.1	—	8	60 0	1	− 2.0	18	11.8	—	—	—	—	—	..	2	..
Markdale	44 36	80 36	.....	31.5	—	3	59.0	2	9.0	18	15.9	4.23	—	1.20	14	16	..	..	1
Meaford	44 19	80 39	.....	.....	......	..	....	.....	......	.....	....	.....	.....	....	..	..	..	..	..
*Midland	44 44	79 53	750	40.9	—	7	64.0	4	27.0	22	—	4 34	—	1.40	18	12	..	..	..
Orillia	44 37	79 24	775	34.1	+ 2 0	23	67.0	1	3.0	23	15.9	5 80	+1.27	1.73	14	16	..	2	.
Owen Sound	44 34	80 55	697	.....	......	..	....	.....	......	.....	....	.....	.....	....	..	..	.	..	..
Parry Sound	45 19	80 0	635	31 7	− 1.8	38	60.0	1	1.0	18	18.0	5 90	+1.90	1 00	20	10	..	1	..
Ronville	45 15	78 57	1038	29 9	—	7	59 0	1	0.0	16	15 4	5.43	—	0.96	14	16	..	..	..
Sundridge	......	.....	.....	28 7	—	1	59 0	1	− 9.0	24	17.4	2.55	—	0.75	13	17	..	1	..
Tobermory	......	....	.....	37.2	—	1	55.0	1	12 0	22	10.2	5.46	—	1.10	15	15	..	1	..
Lake Huron Counties																			
Birnam	43 2	81 55	600	38.1	+ 1.7	30	64 6	3	11.0	21	13.4	2 07	−1.08	0.55	9	21	..	2	..
Brucefield (Clinton)	43 32	81 37	.....	35 2	+ 0 3	12	60 0	4-8	− 5.0	20	14.6	4.00	+0 30	0.77	12	18	..	2	..
Lucknow	43 66	81 30	908	34.3	− 1.8	28	59.4	3	4 0	24	15.5	5 42	+1 20	0.90	25	5	..	4	..
*North Bruce	44 23	81 25	.....	.....	......	26	....	.....	......	.....	....	.....	.....	....	..	..	..	..	..
Ridgecrest (Goderich)	43 45	81 41	.....	35.9	− 0 1	24	58.0	4	10.0	24	12 6	3 31	+0.91	0.87	15	15	.	2	..
Southampton	44 30	81 21	656	36.0	− 0.4	38	58.1	1	15.1	23	14.5	2.69	−0 56	0.62	19	11	..	1	..
Lakes St. Clair & Erie, Niagara Peninsula																			
Chatham	42 23	82 12	695	39 0	+ 0.4	28	70 0	7	14 0	20	17.2	1.21	−1.67	0.75	4	26	..	..	..
Cottam	42 7	82 45	606	37 6	− 1.7	27	74.0	3	5 0	19	24.4	1.74	−1 72	0 85	4	26	..	1	..
Dutton	42 40	81 32	.....	38.3	—	2	68.0	4-7	10.0	19	19.3	—	—	—	—	—	..	..	..
Grimsby	43 13	79 36	.....	39.2	—	5	65.0	7	15 0	21	14.8	2.13	—	0.74	11	19	..	..	..
Pelee Island	41 50	82 35	685	.....	......	..	....	.....	......	.....	....	.....	.....	....	..	..	..	..	..
Port Burwell	42 39	80 65	592	38 1	− 0.1	11	61.0	1	12 0	18	14.3	2.00	−0 45	0.81	8	22	..	..	..
Port Dover	42 27	80 13	635	36.9	+ 0.3	38	64.5	7	12.5	23	14.7	3.30	+0.53	1.15	13	17	..	1	..
Port Stanley	42 40	81 13	592	38.0	+ 0.0	39	65.1	7	13.5	18-21	17.0	2.80	−0.21	1.13	20	10	..	1	1
St. Catharines	43 9	79 17	347	.....	......	..	....	.....	......	.....	....	.....	.....	....	..	..	..	..	..
Stoney Creek	43 13	79 45	292	38.8	− 0.5	28	65.0	7	12 0	23	16.3	1.22	−0.44	0.52	6	24	..	..	..
Wallaceburg	42 35	82 24	.....	40 0	—	9	65.0	7	12.0	19	21.3	0 57	—	0.30	5	25	..	..	..
Welland	42 59	79 17	677	35.7	− 1 3	28	59.0	1	16.0	24	8.1	1.79	−1.21	0.89	9	21	..	..	..
Windsor	42 20	83 4	625	.....	......	..	....	.....	......	.....	....	.....	.....	....	..	..	..	..	..
West-Central Counties																			
Alton	43 51	80 5	1250	32.2	− 0.8	28	60.0	2	5.0	23	14.9	3 44	+0.43	0.99	13	17	..	1	1
Berlin	......	.....	.....	33.1	—	1	62.0	8	2 5	20	16.5	4.50	—	0.61	20	10	..	3	..
Brantford	43 10	80 21	750	35.7	− 0.9	32	64.0	3	7.0	23	18.8	2.66	−0.02	1 20	13	17	..	..	..
Elora	43 41	80 24	1274	33 0	− 0.4	18	62 0	1	0 0	24	16.6	2.79	−0 35	0.80	15	15	..	2	..
Guelph	43 33	80 16	1050	35.0	+ 0.2	29	61 0	7	7.0	23	11 9	1 79	−0.45	0 41	17	13	..	1	..
Listowel	43 44	80 58	1262	34 5	+ 1.6	17	60.0	1	9.0	19	16.5	3 74	−0.24	0.81	13	17	..	..	..
London	42 59	81 13	808	36 8	− 1.2	30	63 0	3	5 0	24	18 0	2 85	+0 02	0.92	24	6	..	1	..
Paris	43 12	80 25	840	36.9	+ 0.5	25	64.0	7	3.0	24	17.7	2.51	−0.79	0.73	10	20	..	1	..
Shelburne	44 5	80 47	....	.....	......	..	....	.....	......	.....	....	.....	.....	....	..	..	..	..	.
Stratford	43 23	81 0	1191	.....	......	..	....	.....	......	.....	....	.....	.....	....	..	..	.	..	..
Woodstock	43 8	80 47	980	35.8	+ 0.5	42	63.0	3-7	5 0	24	18 0	2 05	−2 78	0 80	15	15	..	..	..
Lake Ontario Counties																			
Agincourt	43 47	79 16	590	35.5	− 0 2	18	61 0	1	9.0	23	14 4	3 02	+0.17	1.30	13	17	..	1	3
Aurora	43 57	79 24	886	32 8	—	6	61.5	1	8.5	22-23	14.5	2.44	−0.13	1 55	6	24	..	1	..
Georgetown	43 38	80 2	.....	34 5	—	1	62 0	1	7 0	23	14 7	2 84	+0.05	0.87	15	15	..	1	4
Hamilton	43 16	79 54	303	38 0	+ 0.6	41	64.0	7	13 0	23	13.0	1.65	−1 44	1.43	3	27	..	..	..
Oshawa	43 53	78 52	331	33.8	− 2.6	10	56.0	4	10.0	17-24	16 2	2.25	−0 91	1 64	4	26	..	..	..
Toronto	43 40	79 24	350	38.1	+ 2.2	73	62 0	3	12.8	23	14.6	2 83	+0 37	1.09	12	18	..	..	2
Toronto Is (Lakeside Home)	43 40	79 24	..	38 1	+ 0 2	10	60.0	1-3	13 0	23	13.5	—	—	—	—	—	..	..	..
Uxbridge	44 5	79 8	886	33.4	− 0.9	10	60.0	1	4.0	18	12 9	2 35	−0 28	0.46	9	21	..	..	..
Wexford	43 44	79 17	555	35.1	—	3	59.0	1	10 0	23	13 2	2.91	—	0.86	8	22	..	2	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, NOV., 1914.

*Stations not furnished with Registering Thermometers.

STATION	Latitude		Longitude		Elevation above sea level, in feet	Temperature								Precipitation			Days with .01 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
						Mean	Difference from average.	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month					
East-Central Counties	°	′	°	′																	
Bancroft	45	1	77	50	....	27.7	−2.8	25	61.0	1	−9.0	22	17.1	0.83	—	0.61	2	28	..	..	
Haliburton	45	1	78	28	1050	28.0	−2.7	26	62.0	1	−7.0	24	17.8	1.12	−1.71	0.40	6	24	..	3	..
Kinmount	44	45	78	38	920	27.5	−4.1	12	60.0	1	−11.0	17	19.4	5.25	+3.22	1.88	15	15	..	..	..
Lakefield	44	25	78	15	850	....	....	..	....	....	....	....	..	....	....	..	..	..	..	..	..
Lindsay	44	20	78	45	872	33.7	+1.2	35	60.4	1	3.0	18	20.7	2.72	+0.48	0.43	17	13	..	2	4
Norwood	44	24	77	67	...	31.9	—	3	62.0	2	1.0	23	18.1	3.00	—	1.35	7	23	..	1	..
Peterboro'	44	17	78	19	722	32.3	+1.6	44	61.0	1	−3.0	24	19.1	2.87	+0.29	1.21	12	18	..	.	..
Queensboro	...		..	.	...	31.9	—	1	64.0	1	0.0	23	16.5	3.32	—	0.65	13	17	..	3	..
Ursa	44	54	78	18	....	....	......	..	...	....	......	....	....	......	......	....	..	..	..	..	..
QUEBEC—																					
Middle St. Lawrence																					
Bark Lake Depot	46	30	75	20	.	24.8	—	1	62.0	1	0.0	11	25.5	2.65	—	0.93	10	20	..	..	.
Beauceville	46	11	70	48	557	25.2	—	2	63.0	2	−5.0	19	20.1	2.22	—	0.83	6	24	..	..	..
Brome	45	10	72	36	678	30.7	−0.6	34	61.0	1	5.0	18	12.6	3.45	+0.11	1.50	11	19	..	..	..
Cap Rouge	40	46	71	18	....	25.3	—	4	52.0	2	−1.0	17–18	15.1	4.93	—	1.18	17	13	..	1	..
Cedar Rapids	45	21	74	5	132	31.0	—	2	61.0	2	2.0	19	16.2	1.96	—	0.90	10	20	..	1	..
D'Israeli	45	55	71	21	896	24.9	—	4	60.0	1	−5.0	16–17	19.8	4.02	—	0.75	13	17	..	1	..
Drummondville	44	50	72	30	.....	28.8	—	2	61.5	2	0.0	18	19.2	4.24	—	1.49	11	19	..	..	..
Huberdeau	45	59	74	41	900	27.7	—	2	62.0	1	−6.0	24	15.9	3.67	—	1.53	11	19	..	..	..
Huntingdon	45	5	74	10	.....	34.0	—	1	62.0	2–3	3.0	23	17.6	2.54	—	0.60	6	24	..	..	..
Joliette	46	2	73	25	...	—	—	1	61.0	2	—	—	—	4.69	—	1.20	9	11	.	..	..
Lake Megantic	45	35	70	53	1314	27.7	—	1	59.0	1	0.0	17–18	17.5	2.34	—	0.80	15	15	..	1	..
MacDonald College (Ste. Anne de Bellevue)	45	27	73	59	....	......	....	..	....	....	.....	...	....	......	......	....	..	..	..	..	..
Maniwaki	..	..	...		....	....	....	..	....	...	....	...	....	....	....	....	..	..	..	..	
Montreal	45	30	73	35	187	31.2	−2.0	40	62.3	1	3.3	18	13.4	4.26	+0.70	1.33	15	15	..	..	1
Nicolet	46	15	72	36	.....	28.1	—	2	61.0	2	1.0	18	15.1	3.75	—	1.70	10	20	..	..	..
Nomiaingue	46	27	75	0	....	24.7	—	1	60.5	1	−6.2	18	15.0	3.16	—	1.33	10	20	..	..	..
Quebec	46	48	71	13	296	26.8	−3.1	40	50.5	2	−1.8	18	13.5	4.80	+1.73	1.30	15	14	..	1	..
Sorel	..			..	.....	25.4	—	1	62.0	2	1.0	18–19	15.7	3.78	—	1.37	16	14	1	..	..
St. Lie	45	43	73	47	....	26.8	—	1	60.0	1	−5.0	18–19	17.1	4.46	—	1.61	12	18	..	..	1
Shawbridge	45	54	74	3	....	....	—	3	....	....	......	.....	..	.....	.....	....	..	..	..	..	..
Shawenegan Falls	46	34	72	43	....	21.7	—	13	58.0	1	−9.0	18–21	16.9	3.07	+1.06	0.60	12	18	..	..	2
Sherbrooke	45	24	71	53	620	30.5	−1.1	12	62.7	1	4.7	18	14.9	3.02	+0.13	0.93	19	11	..	..	11
Lower St. Lawrence & Gulf																					
*Anticosti, E. Pt.	49	6	61	42	30	...	.. .	31		...	.. .	...	..	......	......	....			..	..	..
Anticosti, S.W. Pt.	40	24	63	33	....	26.0	−4.5	34	42.0	16	2.0	18	13.0	2.19	−0.59	0.90	15	15	..	..	1
*Anticosti, W. Pt.	49	52	64	32	30	26.2	−4.2	33	39.0	1	10.0	19	—	3.72	+0.79	0.65	13	17	..	..	..
*Bicquet	48	25	68	53	....	26.1	−5.0	33	44.0	1	−5.0	18	—	4.09	+1.55	1.00	8	22	..	..	2
*Cape Chatte	49	6	66	45	..	31.4	−0.4	33	47.0	1–8	3.0	18	—	3.30	+2.21	0.60	13	17	..	..	2
*Cape Magdalen	49	16	65	20	98	27.3	−3.2	33	46.0	16	5.0	19	—	4.32	+1.42	1.00	15	15	..	..	..
Causapscal	48	21	67	12	450	—	—	2	—	—	—	—	—	—	—	—	—	—	..	..	..
Father Point	48	31	68	19	20	26.7	−2.8	37	45.0	1	0.0	19	12.3	2.70	−0.05	0.52	15	15	..	..	..
Harrington Harbour	50	40	59	19	...		—	4		....	..	.....	....	....	—	...	..		..	..	..
Natashquna	...		.	.	...	23.1	—	1	42.3	1	−9.0	19	14.4	4.34	—	1.81	11	19	..	..	.
Ste Anne de la Pocatiere	47	22	70	2	65	24.3	—	4	42.0	1	2.4	19–23	14.6	1.99	—	0.82	11	19	..	..	..
Tadoussac	48	10	69	47	...	24.8	—	2	42.5	26	−5.0	19	13.9	2.86	—	0.65	12	18	..	..	1
Lake St. John																					
Chicoutimi	48	25	71	6	150	23.8	−2.3	35	44.3	16	−12.3	18	15.1	2.22	+0.51	0.60	14	16	1	..	1
Chicoutimi (2)	48	25	71	5	...	23.3	—	4	44.0	2	2.0	28–29	8.5	2.00	—	0.80	6	24	..	..	..
Mistassini	48	51	72	15	360	18.7	—	3	45.0	2	−13.0	18–19	18.2	2.07	—	0.58	9	21	..	..	1
Roberval	48	31	72	13	352	20.9	—	8	51.0	1	−11.0	17	20.9	1.92	—	0.60	5	25	..	..	..
Upper St. Maurice																					
La Loutre Rapids	48	23	74	18	1288	18.6	—	3	46.0	1	−20.0	18–29	14.0	3.95	—	0.70	17	13	..	..	..
Lake Edward	47	39	72	15	1333	20.3	—	5	52.0	1	−22.0	28	22.2	3.82	—	0.80	13	17	..	..	..
La Tuque	47	27	72	48	520	23.3	—	3	50.0	2	−9.0	18	16.0	3.59	—	0.75	12	18	..	..	1
The Northwestern Districts																					
Abitibi	48	33	79	22	.....	20.5	−3.7	19	47.0	1	−12.0	17–18	13.7	2.10	+0.20	0.45	8	22	..	..	2
Amos	48	36	78	7	....	18.8	—	2	49.0	1	−17.5	18	15.7	3.12	—	0.50	20	10	..	..	.
Quinze Dam	47	34	79	16	.....	24.7	—	1	56.0	1	−9.0	18	13.7	3.33	—	1.07	13	17	..	..	..
Timiskaming	46	44	79	7	.....	27.1	—	2	53.0	1	2.0	18	12.8	3.30	—	1.19	10	20	..	..	
Ville Marie	47	55	79	25	....	26.1	—	1	44.0	1	0.0	18	13.8	0.54	—	0.40	6	24	..	..	3
White Shore Lake	48	12	75	43	1394	.. ..	......	..	....	.. ..	.....	.....	....	.....	......	....	..	..	..	..	..
The North Shore																					
Clarke City	50	10	66	25		....	......	..	....	.....	......	....	..	......	......	.....	..		..	.	..
NEW BRUNSWICK—																					
Chatham	47	3	65	29	21	30.4	−2.3	40	67.0	16	2.0	19	15.0	3.01	−0.81	0.89	15	15	..	..	2
Dalhousie	48	4	66	22	39	25.7	−2.8	38	44.0	1–2	0.0	19	19.8	3.70	+0.84	1.20	7	23	..	..	..
Edmunston	......		....	..	....	—	—	1	—	—	0.0	29	—	1.74	—	0.55	5	25	..	.	
Fredericton	45	57	66	30	164	30.9	−1.5	39	58.0	16	3.0	19	17.4	2.71	−1.32	1.19	9	21	..	.	2
Fredericton (Exp. Farm)	...		..		106	31.3	—	2	53.5	1	3.0	19	19.3	3.05	—	1.08	10	20	..	1	2
Grand Falls	47	2	67	41	....		—	2	....	.. ..	......	...		......	...	....		.	..	..	..
Moncton	46	0	64	45	50	32.2	−2.3	17	61.0	16	3.0	18	16.8	2.55	−0.71	0.95	7	23	..	1	1
*Point Lepreaux	45	4	66	28	30	32.8	−4.7	36	64.0	16	14.0	19	—	1.89	−1.76	1.28	4	26	..	.	3
St. John	45	17	66	4	70	35.2	−1.5	40	56.6	2	9.8	19	15.0	3.72	−0.99	1.36	14	16	..	2	1
St. Stephen	45	11	67	16	35	32.9	−0.5	17	60.0	1	8.0	19	19.7	2.63	−0.73	0.93	3	27	..	2	..
Sussex	45	38	6	38	96	35.4	+1.0	17	61.0	16	4.0	19	18.8	4.49	+0.76	2.35	7	23	..	2	..
Williamsburg	46	20	66	43	...	.	......			...	.....	....	....	......	......	...	..	..	..	..	
Woodstock	......		...	..	....	34.8	—	1	58.0	2	11.0	19	13.0	2.29	—	0.71	5	25	..	1	1

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, NOVEMBER, 1914.

*Stations not furnished with Registering Thermometers.

STATIONS	Latitude		Longitude		Elevation above sea level, in feet	Temperature								Precipitation							
	°	′	°	′		Mean	Difference from average	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month	Days with 0.1 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
Nova Scotia—																					
Advocate	5	1	64	46	.....	36.4	—	3	61.0	16	8.0	19	17.5	2.15	—	0.60	5	25	..	..	..
Annapolis Royal	..	..	..	..	..	...	...	..													
Antigonish	45	38	61	59	50	37.0	—	1	63.0	17	12.0	19-25	17.0	—	—	—	—	—	..	..	..
Berwick	45	5	64	50	.....	.....	......	1											..	..	..
Bridgetown		.	...	.	.. ..	37.1	—	1	63.5	16	12.0	19	16.6	2.82	–	0.59	15	15	..	1	2
Halifax	44	39	63	36	88	36.7	− 3.1	39	61.8	5	8.6	19	21.3	3.41	−2.47	1.45	12	18	.	1	1
Kentville	45	3	64	36	40	32.8	—	3	58.0	2	7.0	19	14.2	2.76	—	1.09	11	19	.	2	2
Kentville (2)	. .	.	...		...	36.5	—	2	65.0	2	5.0	19	13.0	3.22	—	0.80	16	14	..	..	..
Liverpool	44	0	64	40	50	39.1	—	2	63.0	5	10.0	29	21.6	3.30	—	1.05	5	25	..	2	..
Middleton	...		.....		...	36.4	—	1	65.0	3	11.0	19	16.4	1.90	—	0.60	11	19	..	1	..
Nappan	45	46	64	34	.....	33.6	—	2	60.0	2	7.0	19	10.7	2.97	—	0.78	10	20	..	..	..
New Germany	44	30	64	42	....	37.7	—	3	64.0	2	9.0	19	17.2	3.47	—	1.20	6	24	..	2	..
Parrsboro'	45	23	64	19	40	36.3	+ 0.3	17	62.0	16	2.0	19	20.9	0.91	−2.54	0.63	5	25	.	..	..
Port Hastings	45	39	61	22	45	.....	.....	..		..	...	...	....	...	......	....	..	..	..	..	..
*Sable Island, E. Pt.	43	58	59	46	25	43.4	— 1.2	31	54.0	4	20.0	19	—	3.25	−1.45	1.50	9	21	..	..	1
Sable Island (Main Station)	43	57	60	6	25	42.3	— 2.1	24	57.0	20	26.0	19	10.3	6.19	+0.51	2.27	13	17	..	4	4
Sutherland's River	...	..	....	.	....	.. ...	. .			.....	..	.....		...	...	...	..	..	.	..	.
Sydney	46	10	60	10	35	38.1	− 0.9	41	59.5	2	20.0	18	14.1	3.06	−2.38	0.97	14	16	.	..	1
Truro	45	22	63	18	77	36.0	— 0.1	42	63.4	2	3.2	19	17.6	3.55	−0.90	0.76	18	12	..	1	.
Truro (2)	45	25	63	15	.....	36.4	—	3	62.0	2	3.0	19	17.3	3.0	—	0.50	13	17	..	..	1
Whitehead	45	15	61	8	20	37.5	− 2.6	31	52.0	17	10.0	19	13.1	1.57	−2.82	1.10	3	27	..	..	3
Windsor	44	59	64	6	90	37.6	+ 0.1	12	63.0	3	9.0	19	15.0	2.56	−0.54	0.87	12	18	..	2	..
Wolfville	45	7	64	20	136	38.5	+ 1.3	15	61.8	16	10.2	19	17.5	2.98	−1.06	1.10	14	16		1	..
Yarmouth	43	50	66	2	65	39.7	− 0.5	34	58.0	16	15.4	19	12.8	2.93	−2.05	1.46	15	15	.	2	1
P. E. Island—																					
Charlottetown	46	14	63	10	38	35.7	— 0.4	39	55.0	2	12.0	19	11.9	2.77	−1.67	0.77	13	17	..	1	1
Charlottetown (Exp. Farm	46	14	63	7	75	35.3	—	5	59.0	2	11.0	19	13.6	2.65	—	0.48	11	19	..		..
Hamilton	46	25	63	48	..	....	......	.	..	....	... ..	.. ..	....	.....	......	....	..	..	..	..	..
Summerside	46	18	63	51	.....	....	....	.	...	....	......	.....	....	.. .	....	....	..	..	..	..	..
Newfoundland—																					
*Amour Point	51	28	56	51	.....	......	.. ..	..	..		....	...	.	.	......		.	..	..	..	
Burin	47	0	55	10	27	37.6	—	6	50.0	1-17	17.0	29	14.4	10-27	—	1.58	23	7		..	1
*Cape Norman	51	38	55	52	....	... ..	......	..	..	..	......	.....	.	... ...	......	....		..	..	..	
Fogo	49	43	54	17	30	..	..	..	..	..	.	.....	..		..	.	..	..	..	..	..
*Point Riche	50	42	57	25	35	29.5	− 2.8	30	47.0	21	10.0	28-29	—	0.25	−3.03	0.20	2	28	..	..	
Port aux Basques	47	35	59	10	27	33.7	—	5	44.5	21	18.0	18-28	10.1	4.66	—	1.06	24	6	..	..	2
St. George's	48	28	58	25	..	35.2	—	27	54.6	16	12.8	20	15.4	2.83	—	0.70	17	13	.	..	2
St. John's	47	34	52	42	125	36.6	− 1.0	40	59.0	17	18.0	20	11.4	6.90	+0.86	2.05	15	15	..	..	3
Bermuda—																					
Prospect	32	17	64	46	151	68.0	— 0.2	23	77.4	4	59.0	24-25	11.0	1.04	−3.28	0.34	10	20	..	..	..

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING NOV., 1914.

STATIONS.	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches.	No of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month.	Date.	Amount in inches.	No. of Days.	Heaviest Fall in Month.	Date.	
BRITISH COLUMBIA—										
Alkali Lake	3.14	16	12	0.81	1	0.8	2	0.5	15	
Annie (Canoe Point)	....	....	....	....	....	....	....	....	....	
Beaver Lake (Royal Oak)	6.40	21	6	1.20	12	*	2	*	12–16	
Coquitlam	12.09	16	14	1.68	28	....	....	....	....	
Denman's Island	10.89	24	6	1.16	27	7.0	2	6.0	30	
Ferguson	3.16	5	16	1.77	1	50.0	11	9.0	29	
Goldstream Lake	12.35	24	6	1.74	1	5.0	2	4.0	13	
Hornby Island	10.71	19	11	2.20	30	....	....	....	....	
Hydraulia	....	....	....	....	....	....	....	....	....	
Invermere	0.13?	2	24	0.08	1	4.5	4	3.7	13	
Jordan River	14.45	25	5	1.52	19	....	....	....	....	
Jordan River (Bear Creek)	22.79	25	3	2.26	2	9.2	4	5.0	30	
Little Qualicum(Fr.Cr.V.I.)	8.85	15	15	1.28	30	2.0	1	2.0	13	
Lumby	1.08	5	23	0.40	5	1.8	2	1.0	16	
Nass Harbour	9.69	18	10	1.82	8	5.6	3	2.1	17	
Queen Charlotte City		Inco	mplete							
Rock Creek	1.43	6	23	0.43	12	1.6	1	1.0	17	
Sandwick	10.71	21	8	2.12	30	7.0	2	6.0	30	
Sooke Lake	11.70	23	7	1.23	3	2.0	2	1.0	12–29	
Stamps Falls (Alberni)	....	....	....	....	....	....	....	....	....	
Wycliffe	0.05?	5	25	0.01	....	*	3	....	....	
ALBERTA—										
Bardo	....	....	....	....	....	....	....	....	....	
Beaver Mines	0.32	1	26	0.32	3	16.0	3	12.0	13	
Bismark	....	....	....	....	....	12.7	2	6.7	13	
Bittern Lake	0.14	2	24	0.10	5	6.0	4	3.0	6	
Brooks	....	....	....	....	....	0.8	2	0.5	12	
Bruederheim	....	....	....	....	....	....	....	....	....	
Caldwell (Spring Hill)	0.05	2	26	0.04	4	19.0	2	11.0	15	
Claresholme	....	....	....	....	....	14.8	2	14.0	13	
Clarinda	....	....	....	....	....	2.0	1	2.0	12	
Coalspur	....	....	....	....	....	40.8	8	12.5	14	
Coleman	1.00	5	21	0.32	1	21.9	4	15.0	13	
Conjuring Creek	....	....	....	....	....	....	....	....	....	
Cree Bank Ranch (Cowley)	0.12	1	24	0.12	3	28.0	5	10.0	13	
Dorenlee (Bashaw)	....	....	....	....	....	....	....	....	....	
Dunstable (Five Lakes)	0.01	1	20	0.01	2	10.3	2	5.3	5	
Grassy Lake	0.00	....	....	....	....	0.0	....	....	....	
Jumping Pound	1.25	1	27	1.25	5	24.0	2	14.0	13	
Kinnaird	....	....	....	....	....	....	....	....	....	
La Pearl	....	....	....	....	....	10.0	2	6.0	13	
Lethbridge	....	....	....	....	....	4.5	2	3.5	13	
Lineham	....	....	....	....	....	20.0	2	14.0	14	
Lyndon	....	....	....	....	....	24.4	3	18.0	13	
Macleod	....	....	....	....	....	....	....	....	....	
Maycroft	0.04	1	23	0.04	1	22.7	6	16.5	13	
Mountain View	0.34	1	28	0.34	1	14.0	1	14.0	14	
Nanton	....	....	....	....	....	12.0	2	9.0	13	
Nateby	....	....	....	....	....	4.5	2	3.5	14	
Ponoka	....	....	....	....	....	12.2	6	4.0	13	
Roycroft Ranch (Manaville)	....	....	....	....	....	....	....	....	....	
Seven Persons	....	....	....	....	....	1.0	1	1.0	13	
Waterton Mills	1.32	4	23	0.82	3	23.5	3	21.0	14	
SASKATCHEWAN—										
Fort a la Corne	0.05	1	25	0.05	2	3.3	4	2.0	6	
Gull Lake	....	....	....	....	....	3.0	1	3.0	15	
Gull Lake (Fks. Swift Cur.)	....	....	....	....	....	3.3	3	2.5	13	
Macdonald (Pine Forest Res)	....	....	....	....	....	3.0	1	3.0	15	
Wapashoe	....	....	....	....	....	2.8	4	1.5	14	
MANITOBA—										
Cartwright	....	....	....	....	....	....	....	....	....	
Deloraine	0.13	1	27	0.13	4	4.5	2	2.5	14	
Rapid City	....	....	....	....	....	4.5	3	2.3	14	
ONTARIO—										
Bow Park Farm (Brantford)	....	....	....	....	....	....	....	....	....	
Deer Park	1.82	5	24	0.75	15	0.3	1	0.3	22	
Dutton	....	....	....	....	....	....	....	....	....	
Emsdale	2.49	9	13	1.03	16	21.0	8	6.0	14	
Fort Frances	....	....	....	....	....	....	....	....	....	
Grand Valley	2.35	9	16	0.63	16	12.0	5	4.0	19	
Grantham	1.32	7	21	0.24	30	0.5	2	0.3	22	
Lac Seul Post	0.66	4	22	0.40	2	9.0	4	4.0	14	
Long Lake (Zeta)	....	....	....	....	....	....	....	....	....	
MacCue	1.50	2	28	1.35	16	....	....	....	....	
Niagara Falls	0.77	4	26	0.34	12	*	4	*	9–22	
Nipigon	....	....	....	....	....	....	....	....	....	
Point Clark	....	....	....	....	....	....	....	....	....	
Rock Chapel (Grimsby)	1.32	5	24	0.91	16	2.0	1	2.0	21	
Strathroy	....	....	....	....	....	....	....	....	....	
Sudbury	1.59	7	17	0.56	3	22.3	6	18.0	19	
Sydenham	2.58	5	24	1.58	15	2.0	1	2.0	12	
Watford	2.23	7	23	0.90	15	Not M	easured			
Wawaitin Falls	....	....	....	....	....	....	....	....	....	
Westminster	2.19	5	25	0.88	16	*	3	*	10 21	
Westport	2.06	4	25	1.10	15	2.0	1	2.0	22	
Wiarton	1.12	6	19	0.90	16	21.0	5	10.0	21	

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING NOV., 1914.

STATIONS	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches	No of Days 01 or over	No of Fair Days.	Heaviest Fall in Month	Date	Amount in inches	No. of Days.	Heaviest Fall in Month	Date	
QUEBEC—										
Kipawa Dam	1.57	3	18	0.80	15	11.3	9	2.6	13	
Lucerne	3.40	6	19	1.82	16	10.5	5	4.0	14	
Point Madelene (Grandes Piles)	....	....	....	....	....	....	....	....	....	
Perkins Mills	1.55	5	19	0.58	15	10.0	6	5.0	13	
Quinze Dam	....	....	....	....	....	....	....	....	....	
NEW BRUNSWICK—										
Point Escuminac	2.08	6	21	0.72	21	3.6	3	3.1	20	
NOVA SCOTIA—										
Milton	4.17	7	23	2.28	20					
South Alton	4.60	6	22	1.85	22	2.0	2	1.0	14-18	
White Rock	....	....	....	....	....	....	....	....		

PRESSURE, HUMIDITY, CLOUDINESS AND WIND AT STATIONS OF THE FIRST CLASS DURING THE MONTH OF NOV., 1914.

a Barometer not reduced to sea level

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Pressure.				Mean relative humidity	Mean amount of cloud.	No. of days completely clouded.	Direction of Wind from									Total number of observations	Velocity of Wind.		
				Mean reduced.	Highest.	Lowest.	Range.				N.	N.E.	E.	S.E.	S	S.W.	W.	N.W.	C.		Mean miles per hour.	Maximum velocity.	Date and direction from.
BRITISH COLUMBIA—	°	° ′																					
Atlin	59 35	133 38	2240	29.77	30.56	28.89	1.67	—	7	8	6	19	7	7	12	0	0	4	5	60	.....	......	....
Barkerville	53 2	121 35	4180	29.88	30.44	29.24	1.20	—	7	9	0	0	0	3	0	14	0	0	43	60	.....	.....	[30E
Entrance Island	......	...	.	29.97	30.49	29.31	1.18	86	8	9	0	0	30	0	15	0	15	0	0	60	15.5	47	13W]
Kamloops	50 42	120 29	1245	29.99	30.59	29.12	1.47	80	6	7	1	5	15	5	8	3	9	0	14	60	3.1	15	25SE
a Nanaimo	49 10	123 37	125	29.9	30.49	29.41	1.08	91	7	10	0	2	0	17	8	5	4	8	16	60	......	......	.. ..
Prince Rupert	54 18	130 18	170	29.72	30.26	29.12	1.14	79	8	22	0	0	6	10	20	0	1	0	23	60	....	......	......
a Tranquille	50 41	120 29	....	23.74	29.57	28.07	1.50	82	7	6	14	11	12	1	1	1	3	3	14	60	......	......	......
Triangle Island	50 52	129 5	680	29.87	30.29	29.42	0.87	85	8	12	2	3	0	23	0	13	0	10	9	60	... ..	......	......
Vancouver	49 17	123 5	136	30.01	30.48	29.33	1.15	93	8	17	2	6	29	4	5	1	6	1	6	60	3.9	20	13NW
Victoria	48 24	123 19	85	30.01	30.51	29.41	1.10	92	8	12	19	6	5	7	4	11	7	1	0	60	11.9	52	30SE
YUKON—																							
Dawson	64 4	139 20	1200	29.81	30.65	29.05	1.60	—	6	14	10	0	0	0	2	0	0	0	48	60	....	......	....
ALBERTA—																							
Banff	51 10	115 34	4542	29.98	30.64	29.37	1.27	72	7	2	0	4	0	1	0	23	14	2	16	60	......	.....	...
Calgary	51 2	114 2	3389	29.91	30.47	29.30	1.17	80	4	4	1	2	0	7	5	12	5	16	12	60	4.5	21	3NW
Edmonton	53 33	113 30	2158	29.87	30.50	29.26	1.24	85	6	3	4	6	3	2	8	13	10	6	6	58	....	......	... ..
Medicine Hat	50 1	110 37	2161	29.94	30.55	29.39	1.16	78	6	2	1	1	0	1	0	32	8	4	13	60	......	.....	....
SASKATCHEWAN—																							
Battleford	52 41	108 20	1620	29.94	30.54	29.40	1.14	—	4	4	0	2	0	10	0	1	10	9	28	60	.....	......	... ..
Moose Jaw	50 21	105 35	1759	29.96	30.67	29.44	1.23	89	4	6	2	5	7	2	0	10	25	11	28	90	.....	.....	.....
Prince Albert	53 10	106 0	1432	29.90	30.56	29.31	1.25	87	5	0	0	1	11	4	0	4	11	0	23	60	..	....	...
Qu'Appelle	50 30	103 47	2115	29.91	30.64	29.43	1.21	82	5	7	0	1	7	5	6	13	15	9	5	60	12.2	28	3,10NW
Swift Current	50 20	107 45	2439	29.93	30.48	29.45	1.03	85	5	4	9	1	2	5	7	16	16	11	2	60	13.9	... ..	......
MANITOBA—																							
Le Pas	53 49	101 15	860	30.01	30.68	29.38	1.30	85	7	13	3	2	18	6	6	2	23	0	0	60	......	......	......
Minnedosa	50 15	99 50	1690	29.98	30.61	29.50	1.11	94	5	8	0	4	8	1	0	4	2	19	22	60	....	..	
Winnipeg	49 53	97 7	760	29.99	30.56	29.47	1.09	92	6	8	12	4	2	17	12	11	5	22	5	90	12.4	30	23SE
ONTARIO—																							
Cochrane	49 2	81 0	946	29.98	30.46	29.42	1.02	93	7	11	5	4	1	10	8	6	11	13	2	60	8.8	23	7 NW
Haileybury	47 29	79 39	687	29.97	30.54	29.35	1.29	87	8	18	2	1	1	8	10	6	7	21	4	60	....	.....	[13S
Kingston	44 13	76 29	285	30.03	30.63	29.55	1.08	79	7	9	7	10	2	9	1	12	13	6	0	60	13.6	37	21W]
a Lindsay	44 20	78 45	872	29.05	29.56	28.56	1.00	—	7	4	9	3	5	7	20	16	5	22	3	90	.....	.....	....
London	42 59	81 13	808	30.01	30.54	29.65	0.89	82	6	7	1	29	2	13	0	11	1	33	0	90	.....	.....	.....
Ottawa	45 26	75 42	294	30.00	30.65	29.48	1.15	92	7	11	6	5	11	1	0	11	12	13	1	60	...	....	.....
Parry Sound	45 19	80 0	635	29.98	30.57	29.38	1.19	92	7	12	4	4	1	17	1	13	0	20	0	60	10.7	27	27NW
Port Arthur	48 27	89 12	644	29.96	30.43	29.35	1.08	82	7	11	13	1	6	2	12	1	32	20	3	99	11.5	38	14E
Port Stanley	42 40	81 13	592	30.04	30.59	29.45	1.11	79	6	11	0	2	2	8	3	11	21	9	4	60	.. ..	.. .	......
Southampton	44 30	81 21	656	29.99	30.55	29.34	1.21	85	8	18	5	4	15	3	3	2	13	15	0	60	17.7	39	17N
Stonecliff	46 9	78 6	557	29.98	30.59	29.39	1.20	—	3	1	1	0	9	0	1	0	7	1	41	60	4.6	15	2W
Toronto	43 40	79 24	350	30.03	30.59	29.45	1.14	80	6	8	1	8	2	4	8	12	16	9	0	60	16.3	45	13S
White River	48 35	85 16	1252	29.91	30.46	29.35	1.11	—	7	12	12	0	7	3	7	0	10	7	14	60	6.7	24	7W
Woodstock	43 8	80 47	980	30.07	—	—	—	81	—	—	6	3	4	11	1	37	8	17	0	87	12.7	32	1SW
QUEBEC—																							
Anticosti S.W. Pt.	49 24	63 35	30	29.85	30.62	29.02	1.60	98	7	12	17	17	12	3	7	13	1	18	2	90	20.9	60	18NW
Father Point	48 31	68 19	20	29.92	30.62	29.15	1.47	83	8	18	2	6	13	0	8	16	9	8	0	60	17.0	43	21W
Harrington Harbour	50 40	59 19	...	.....	.....	...	....	....	..	..	...	...	.		..	.	....	....	...	....	. ..	......	......
Montreal	45 30	73 35	187	30.00	30.66	29.40	1.26	64	7	8	7	2	4	3	14	13	22	21	1	90	14.8	. ..	..
Quebec	46 48	71 13	296	29.97	30.68	29.36	1.32	80	8	13	1	21	6	2	4	24	23	7	2	90	13.5	45	20NE
Sherbrooke	45 32	72 5	620	30.03	30.70	29.39	1.31	73	7	6	1	0	2	10	17	12	31	7	0	90	...	.....	... ..
NEW BRUNSWICK—																							
Chatham	47 3	65 29	21	29.97	30.74	29.24	1.50	75	7	12	2	1	7	1	0	13	26	9	1	60	......	......	.. ..
Fredericton	45 57	66 36	164	30.00	30.79	29.37	1.42	84	6	8	4	7	3	8	4	22	21	17	4	99	8.5	28	18NW
St John	45 17	66 4	70	29.99	30.74	29.34	1.40	78	6	8	4	3	3	8	10	16	21	24	1	90	20.7	37	16S
NOVA SCOTIA—																							
Halifax	14 39	63 36	88	29.99	30.74	29.42	1.33	82	7	9	0	11	3	0	0	3	13	30	0	60	13.5	46	19E
Sable Island (MStation)	43 57	60 6	25	30.05	30.77	29.55	1.24	—	7	7	4	3	1	10	14	30	20	8	0	90	.....	.....	. ..
Sydney	46 10	60 10	35	29.95	30.72	29.25	1.47	82	8	14	1	4	2	2	7	15	22	31	6	90	18.9	55	29E
Truro	45 22	63 18	77	29.98	30.74	29.10	1.34	—	7	10	6	4	5	6	12	17	27	12	1	90	.....	....	.. ..
Truro (2)	45 25	63 15	.....	29.98	30.68	29.24	1.44	—	7	10	4	0	5	9	3	9	21	6	0	57	.. .	....	....
Wolfville	45 7	64 20	.....	29.99	30.74	29.38	1.36	—	6	9	3	4	2	4	12	20	6	9	0	60	11.2	39	16S
Yarmouth	43 50	66 2	65	30.02	30.77	29.39	1.38	88	7	8	4	5	5	2	5	12	10	14	3	60	14.8	39	16SW
P. E. ISLAND																							
Charlottetown	46 14	63 10	38	29.97	30.73	29.40	1.33	80	8	15	6	3	1	2	4	16	15	12	1	60	10.2	32	16SE
NEWFOUNDLAND																							
Burin	47 0	55 10	27	29.91	30.81	29.26	1.55	—	9	20	1	4	0	5	3	16	14	17	0	60	......	......	.....
Fogo	49 43	54 17	30	..	....	...	.	..	....	.	..	.			..	...	.	..	..	..	......	......	......
Port aux Basques	47 35	59 10	27	29.90	30.73	29.31	1.42	—	9	19	3	2	7	4	3	5	12	22	2	60	......	......	.....
St. George's	48 27	58 31	21	29.90	30.76	29.37	1.39	83	9	12	2	9	6	3	2	17	2	19	0	60	......	......	... ..
St. John's	47 34	52 42	125	29.81	30.66	29.29	1.37	77	7	11	6	2	0	5	10	14	3	12	8	60	......	....	.....
BERMUDA																							
Prospect	32 17	04 46	151	30.14	30.37	29.66	0.71	81	6	2	21	18	11	5	12	6	8	9	0	90	......	....	......

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS AT STATIONS OF THE SECOND CLASS, DURING THE MONTH OF NOVEMBER, 1914

STATION	DIRECTION OF WIND FROM									
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	Total number of Observations
ALBERTA—										
Athabasca Landing	0	0	4	3	4	2	8	9	0	30
Beaver Lodge	7	1	16	7	5	8	29	14	3	90
Didsbury	0	1	3	2	3	10	5	5	0	30
Halkirk (Emsburg)	2	1	4	10	18	14	3	8	0	60
Hillsdown	1	3	0	11	4	12	3	11	15	60
Loveland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Macleod	0	5	5	2	1	1	38	0	8	60
Ranfurly (Waitefield)	6	5	13	12	8	10	14	18	4	90
Sion-	6	4	14	20	11	7	28	4	0	94
SASKATCHEWAN—										
Brownhill (Grenfell)	0	5	3	4	5	21	6	16	0	60
Chaplin	0	2	1	5	12	0	31	9	0	60
Crescent Lake	4	2	6	4	11	10	12	10	1	60
Estevan	0	2	10	2	0	8	7	1	0	30
Fort Qu'Appelle	0	1	13	6	4	9	12	10	5	60
Indian Head	2	1	7	5	15	14	18	24	4	90
Kamsack	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Larchmount (Pambrum)	1	3	3	1	0	16	21	15	0	60
Muenster (St. Peter's Monastery)	2	2	1	5	4	11	25	16	0	60
Onion Lake	.....	.....	.....	.....	.....	.....	...	.....	.....	.....
Pense (Gatesgarth)	2	2	0	7	0	2	10	7	0	30
Waseca	0	4	0	4	0	2	6	14	0	30
Yarbo (Fairfield)	1	1	3	2	3	1	19	0	0	30
MANITOBA—										
Berens River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brandon	2	10	6	7	2	19	20	14	7	87
Hillview	4	10	12	4	13	10	8	29	0	90
Moose Horn Bay (Aitkensville)	11	9	2	5	13	0	1	15	4	60
Morden	11	2	3	2	6	10	18	5	3	60
Oak Bank	11	4	2	0	10	13	1	19	0	60
Stony Mountain	2	7	0	8	14	5	5	19	0	60
ONTARIO—										
Agincourt	4	1	17	6	1	28	9	24	0	90
Alton	20	1	14	5	4	2	39	5	0	90
Beatrice	6	0	0	16	13	3	4	18	30	90
Birnam	4	0	2	9	6	19	10	10	0	60
Brucefield	4	0	0	9	12	6	11	18	0	60
Cottam	12	0	4	0	12	5	26	1	0	60
Guelph	3	0	7	8	0	26	13	33	0	90
Gravenhurst	9	2	6	22	15	10	13	5	8	90
North Bruce	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orillia	0	0	0	6	7	9	8	0	0	30
Port Dover	3	1	2	2	2	7	6	7	0	30
Stoney Creek	0	7	8	2	10	42	19	2	0	90
Wexford	0	0	5	1	0	5	5	7	7	30
QUEBEC—										
Abitibi	11	3	12	18	9	2	17	18	0	90
Anticosti, Heath Point	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anticosti, West Point	8	19	18	1	7	8	11	18	0	90
Biequet	9	19	2	0	10	22	8	13	7	90
Brome	6	0	3	2	25	11	37	6	0	90
Cape Chatte	6	3	16	0	2	1	40	4	18	90
Cape Magdalen	4	4	10	3	27	3	4	32	3	90
Cap Rouge	8	6	0	0	0	0	0	16	0	30
Cedars	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chicoutimi	0	23	0	7	0	1	2	32	25	90
Clarke City	....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW BRUNSWICK—										
Dalhousie	0	1	6	3	0	1	15	0	2	28
Moncton	2	2	1	3	2	1	2	17	0	30
Pt. Lepreaux	5	12	0	7	0	12	8	31	0	75
Sussex	2	2	0	0	1	2	3	6	14	30
NOVA SCOTIA—										
Kentville	6	0	4	2	1	13	30	4	0	60
Liverpool	1	8	5	0	0	3	8	5	0	30
Sable Island, E. Pt.	0	0	0	10	2	33	0	45	0	90
Whitehead	6	3	0	1	3	10	2	5	0	30

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF NOV. 1914.

STATION.	Hours Ending																	
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.
British Columbia																		
Shawnigan Lake	.....	.....	.....	.....	.....	.14	19	.17	.19	.26	.24	.19	.12	.01	.....	.....	.....	.....
Victoria	.....	.....	.....	.....	.01	.11	.17	.24	.22	.22	.20	.17	.15	01	.....	.....	.....	.....
Salmon Arm	.....	.....	.....	.....	.....	.04	.11	.20	.19	.19	.09	.09	.04	.....	.....	.....	.....	.....
Nanaimo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sidney	.....	.....	.....	.....	T	.11	.16	.16	.19	26	.32	.24	.08	.....	.....	.....	.....	.....
Vancouver	.....	.....	.....	.....	.....	.03	.10	.17	.20	.18	.18	.20	.18	.06	.....	.....	.....	.....
Agassiz	.....	.....	.....	.....	.....	T	.14	.19	.24	.26	.18	.13	.05	.....	.....	.....	.....	.....
Tranquille	.....	.....	.....	.....	.01	.11	.22	.31	30	29	.32	.25	.22	.03	.....	.....	.....	.....
Summerland	.....	.....	.....	.....	.02	.14	.23	.28	31	.22	.19	.19	.07	.....	.....	.....	.....	.....
Kelowna	.....	.....	.....	.....	.02	.15	.26	.26	.26	.21	.18	.18	.10	.01	.....	.....	.....	.....
Kamloops	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Invermere	.....	.....	.....	.....	.....	.05	.22	.27	.32	37	34	28	.03	.....	.....	.....	.....	.....
Alberta																		
Edmonton	.....	.....	.....	.....	.04	.14	.24	.31	.43	.51	.44	37	.25	02	.....	.....	.....	.....
Lethbridge	.....	.....	.....	.....	.02	.21	.30	.30	.35	48	45	.40	.35	.12	.....	.....	.....	.....
Lacombe	.....	.....	.....	.....	.01	.18	.40	.35	.37	.45	.41	.37	.21	.05	.....	.....	.....	.....
Medicine Hat	.....	.....	.....	.....	.01	.16	.36	.43	.45	48	.36	43	.14	.....	.....	.....	.....	.....
Fort Dunvegan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fort Vermilion	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saskatchewan																		
Battleford	.....	.....	.....	T	.21	.59	.68	.70	.73	.72	.66	.59	.28	T	.....	.....	.....	.....
Qu'Appelle	.....	.....	.....	.....	.04	.31	.39	.46	.60	59	.55	.56	.13	.....	.....	.....	.....	.....
Indian Head	.....	.....	.....	.....	.....	.07	.19	.28	.39	.41	.39	.34	.12	.....	.....	.....	.....	.....
Moosejaw	.....	.....	.....	.....	.08	.26	42	.47	.55	58	.59	.53	.38	.04	.....	.....	.....	.....
Scott	.....	.....	.....	.....	.....	.11	.45	.57	65	53	.52	.42	.10	T	.....	.....	.....	.....
Rosthern	.....	.....	.....	.....	04	.12	.30	.39	.45	52	65	.47	.28	.07	.....	.....	.....	.....
Swift Current	.....	.....	.....	.....	.04	.24	38	.47	.53	55	.52	.46	.33	.04	.....	.....	.....	.....
Manitoba																		
Brandon	.....	.....	.....	.....	.10	29	42	53	.54	55	.52	45	.19	.....	.....	.....	.....	.....
Winnipeg	.....	.....	.....	.....	03	.18	.27	.38	41	54	.56	60	.41	.09	.....	.....	.....	.....
Le Pas	.....	.....	.....	.....	.....	.01	.22	.23	.20	27	.32	.27	.21	.01	.....	.....	.....	.....
Ontario																		
Haileybury	.....	.....	.....	.....	.....	.08	.18	.21	27	29	.27	.29	.27	.05	.....	.....	.....	.....
Woodstock	.....	.....	.....	.....	.04	.20	.39	.47	50	49	.48	.41	.29	.07	.....	.....	.....	.....
Lindsay	.....	.....	.....	.....	.....	.02	.23	28	.32	.35	.34	.28	.28	13	.....	.....	.....	.....
Barrie	.....	.....	.....	.....	.06	.22	.27	.34	.40	.37	.35	30	.03	.....	.....	.....	.....	.....
Guelph	.....	.....	.....	.....	.10	.26	.39	.49	.51	.46	.42	39	30	10	.....	.....	.....	.....
Toronto	.....	.....	.....	.....	.03	.23	.35	.41	.43	38	.39	40	.21	.05	.....	.....	.....	.....
Kingston	.....	.....	.....	.....	.02	.21	.31	.35	.41	42	42	.35	.26	.10	.....	.....	.....	.....
Ottawa	.....	.....	.....	.....	.02	.24	.33	.41	.38	37	.30	.27	.18	.05	.....	.....	.....	.....
Quebec																		
Montreal	.....	.....	.....	.....	03	.26	42	.45	38	37	34	.27	.21	01	.....	.....	.....	.....
Cap Rouge	.....	.....	.....	.....	01	.18	27	28	.23	25	.21	.18	17	.03	.....	.....	.....	.....
Quebec	.....	.....	.....	.....	01	20	28	34	.25	.23	.22	.18	.18	.02	.....	.....	.....	.....
Ste Anne de la Pocatiere	.....	.....	.....	.....	.19	31	38	44	.46	40	.24	.21	.05	01	.....	.....	.....	.....
Sherbrooke	.....	.....	.....	.....	.02	.14	25	.29	29	.28	.31	22	18	.....	.....	.....	.....	.....
New Brunswick																		
Fredericton	.....	.....	.....	.....	15	.35	.47	49	50	49	.45	.35	.30	.08	.....	.....	.....	.....
Prince Edward Island																		
Charlottetown		.....	.....	.....	.02	.24	28	40	43	47	.51	40	38	04	.....	.....	.....	.....
Nova Scotia																		
Nappan	.....	.....	.....	.....	01	18	24	35	40	44	.47	46	26	.01	.....	.....	.....	.....
Wolfville	.....	.....	.....	.....	.02	25	43	51	.56	52	.50	.49	.29	07	.....	.....	.....	.....
Kentville	.....	.....	.....	.....	02	22	39	47	53	54	.51	43	38	10	.....	.....	.....	.....

SUMMARY OF SUNSHINE RECORDS

NOV., 1914	Shawnigan Lake	Victoria.	Salmon Arm.	Nanaimo.	Sidney	Vancouver.	Agassiz.	Tranquille.	Summerland.	Kelowna.	Kamloops.	Invermere.	Edmonton.	Lethbridge.	Lacombe.
Registered duration in hours..........	45	45	29	....	45	39	36	62	50	9	....	56	83	90	85
Percentage of possible duration	16	16	11	....	16	14	13	23	19	18	....	21	32	33	33
Difference from average	—	— 5	—	....	—	—	— 5	—	—	—	...	—	—	—	—
Maximum percentage in one day	72	91	58	....	78	83	57	91	65	81	...	68	93	89	96
Date of maximum..	14	14	9	.	14	14	18	22	25	11	..	9	9-26	28	9
Number of days completely clouded...............	16	14	18	...	16	16	17	7	14	16	...	10	8	5	9

NOV., 1914	Medicine Hat.	Fort Dunvegan	Battleford.	Qu'Appelle	Indian Head.	Moose Jaw.	Scott.	Rosthern.	Swift Current.	Brandon.	Winnipeg.	Le Pas	Haileybury.	Woodstock.	Lindsay.
Registered duration in hours..........	88	....	155	109	66	117	101	99	107	104	104	52	58	100	70
Percentage of possible duration	33	..	60	41	25	44	38	38	40	39	39	20	21	35	24
Difference from average	—	....	+28	—	— 1	—	—	—	—	+ 4	+ 6	—	—	+11	— 1
Maximum percentage in one day	80	...	98	86	73	94	83	89	89	84	95	89	85	79	79
Date of maximum..	28	...	28	10	10	9	26	10	2-7	10	21	26	27	28	27
Number of days completely clouded...............	7	..	5	4	8	6	8	7	6	7	5	15	12	7	12

NOV., 1914	Barrie.	Guelph	Toronto.	Kingston.	Ottawa.	Montreal.	Cap Rouge.	Quebec.	Ste. Anne de la Pocatiere	Sherbrooke	Fredericton.	Charlottetown.	Nappan	Wolfville	Kentville
Registered duration in hours..........	71	103	87	86	77	82	54	57	81	59	106	95	84	110	108
Percentage of possible duration	25	36	30	30	27	32	19	19	29	21	37	34	30	39	38
Difference from average	+ 5	—	+ 1	+ 2	— 1	+ 2	—	— 5	—	—	+ 4	—	—	—	—
Maximum percentage in one day	79	98	91	92	93	93	89	90	91	90	95	97	87	96	91
Date of maximum..	28	28	28	28	28	14	28	28	28	29	18	29	29	29	29
Number of days completely clouded...............	6	7	3	9	11	8	14	9	14	13	9	8	12	9	10

Thunder recorded:

1. Shawinigan Lake, Clayoquot, Fruitlands, Parry Sound, Southampton, Berlin, Rutherglen, Port Dover, Brucefield, Ridgeerest, Lucknow, Orillia, Huntsville, Wexford, Alton, Agincourt Queensboro', Peterboro', Haliburton, Georgetown, Aurora, Westport, Emsdale, Wiarton, Deer Park, Haileybury, Lindsay, Guelph, Gravenhurst.

2. Elora, Westport, Sydenham, Alberni, East Arrow Park, Sable Island.

3. Almasippi, Brucefield, Birnam.

4. Huntsville, Queensboro', Cap Rouge, Lake Megantic, D'Israeli, Moneton, Sussex, St. Stephen, Frederieton, Ottawa, Quebee, St. John.

5. Liverpool.

6. Tobermory, Haliburton, Paris, Yarmouth.

7. Berlin, Lucknow, Sundridge, Orillia, Renfrew, Almonte, Montague, Wexford, Haliburton, Emsdale, Cedar, Lindsay.

8.

9.

10.

11. Lucknow, Hillier, Queensboro', Britannia Beach.

12. Kentville, Windsor, N.S., St. John, Sable Island.

13. Berlin, Birnam, Ridgecrest, Lucknow, Elora, Westport, Sussex, Woodstock, N.B., St. Stephen, Liverpool, Middleton, New Germany, Bridgetown, N.S., London, Port Stanley.

14. Cottam, Kentville, Windsor, N.S., New Germany, Wolfville, Halifax, Yarmouth, Charlottetown.

15.

16.

17.

18.

19.

20. Sable Island.

21. Sable Island.

22.

23.

24.

25.

26.

27.

28.

29.

30.

Auroras recorded:

1. Edmonton II.
2.
3. Halkirk, Campsie I, Sion IV.
4. Winnipeg.
5.
6.
7.
8.
9. Iroquois Falls.
10. St. Alban's IV.
11. Ranfurly IV, Hardisty, Sion IV, Sioux Lookout, Kakabeka Falls II.
12. Ranfurly IV, Iroquois Falls, Sorel.
13.
14. Anglia, Alsask, Rapid City II, Fort St. James, Atlin III.
15. Ranfurly III, Clemens, Halkirk, Hillsdown III, Perbeck II, Campsie I, Sion II, Anglia, Alsask, Waseca, Treherne II, St. Albans I, Kakabeka Falls III, Qu'Appelle.
16. Hardisty, Sion IV, Muenster III, Atlin III.
17. Crescent Lake IV, Muenster IV, Waseca, Sioux Lookout, Iroquois Falls, Rutherglen, Rapid City II, Atlin III, Edmonton IV.
18. Ranfurly IV, Sion IV, Anglia, Estevan, Treherne II, St. Albans II, Rapid City II.
19.
20. Qu'Appelle.
21. Muenster III, Morden II, Minnedosa III.
22. Clemens, Sion IV, Waseca, Sioux Lookout.
23.
24.
25. Sion IV, Chicoutimi.
26. Halkirk, Moose Horn Bay II.
27. Anglia, Provost, Muenster IV, Sioux Lookout, Edmonton, III.
28.
29.
30.

FORECASTS FOR NOVEMBER, 1914

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

The number of these predictions issued during the month was 1205. These were divided as follows:

District	No. Issued.	Verified.			
		No. Fully.	No. Partly.	No. Not.	Percentage.
Alberta	75	61	8	6	86.6
Saskatchewan	77	63	11	3	88.9
Manitoba	77	66	6	5	89.6
Lake Superior	114	89	14	11	84.2
Lower Lake Region	119	91	20	8	84.9
Georgian Bay	119	89	25	5	85.7
Ottawa Valley	97	79	10	8	86.6
Upper St. Lawrence	97	52	8	6	88 7
Lower St. Lawrence	104	79	18	7	84.6
Gulf	108	87	13	8	86 6
Maritime Provinces West	111	92	15	4	89.6
Maritime Provinces East	109	87	13	9	85.8
Total	1207	965	162	80	86.7

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director

Meteorological Office, Toronto,
January 7th, 1914.